Lancaster Farming

Serving The Central and Southeastern Pennsylvania Areas - Also Maryland, New Jersey and Delaware

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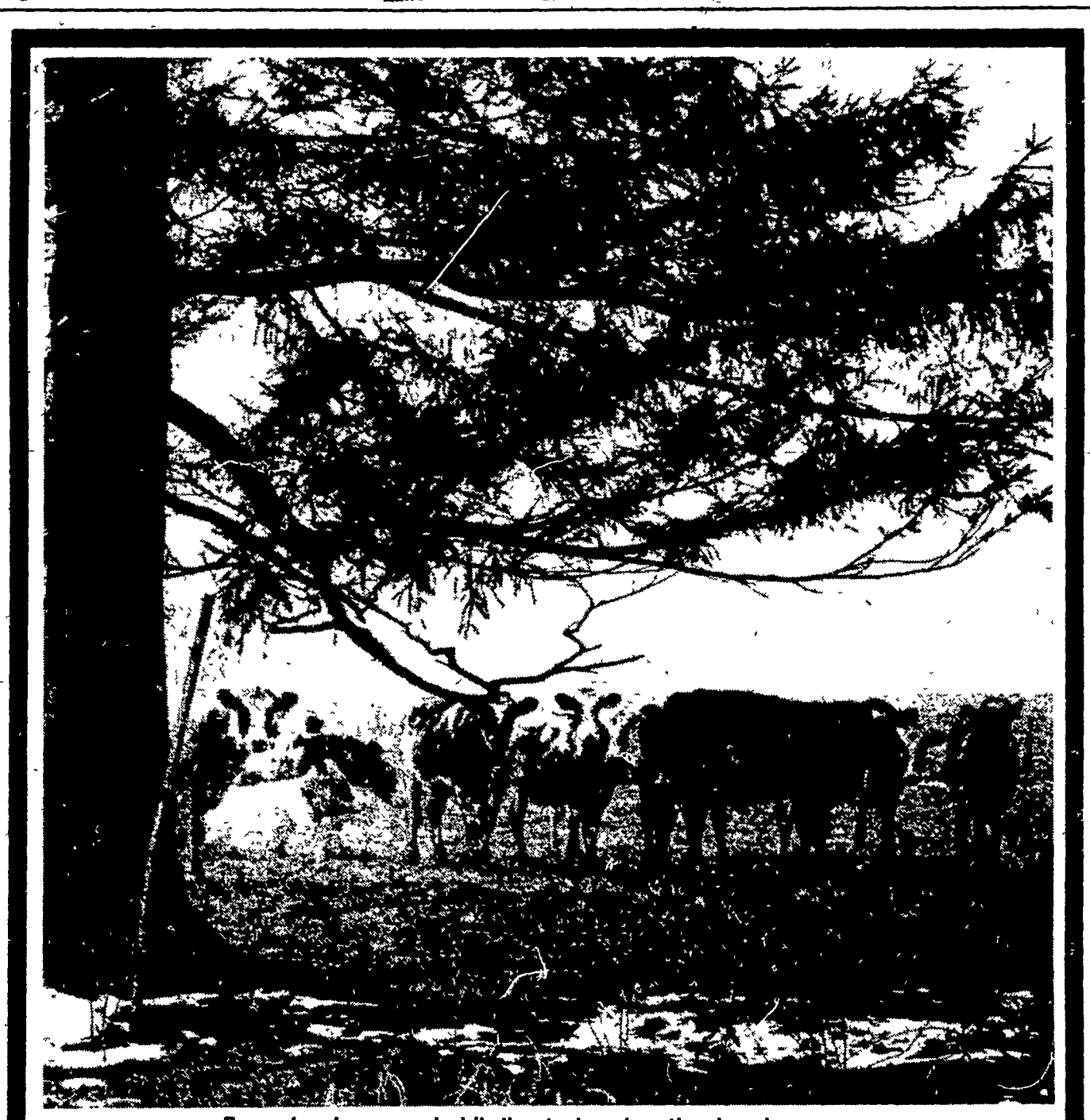
Deadline nears for Farm Show issue

LANCASTER FARMING's annual Farm Show Issue will be distributed on January 6, two days before the Pennsylvania Farm Show gets underway in Harrisburg. We're getting ready to prepare material for that issue and are printing this reminder to readers and advertisers alike to send material of interest. The Farm Show Issue will have advance publicity on some of the folks who'll be there, short biographies on Keystone FFA degree winners, a list of Farm Show exhibitors, new product releases and pictures, and much more. Please contact us if you have something to contribute.



Farms lay sleepy-eyed while livestock endure the changing seasons. This scene was found at Spruce Villa Dairy, Lititz.

In this issue

Adams County once again has the distinction of recording the highest price paid for a 4-H capon in Pennsylvania. The record price of $17 per pound was paid by Adams County Home Beverage. See page 114 for details.

A farm-reared young man who spent six years as a captive in Viet Nam has an interesting story to tell on page 126.

The beef and sheep 4-H round-up for eastern Pennsylvania was held recently. See page 101 for results.

Hydroponics is a unique way of growing plants. Find out more on page 110.

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Dairylea declares confidence in finance plan

PEARL RIVER, N.Y. – Dairy farmers who are members of Dairylea Cooperative, Inc., headquartered here, have given approval to a capital financing plan which is designed to give the 70-year old organization a firm financial footing. The financing project was two years in the making, and according to Dairylea president Clyde E. Rutherford, was successfully completed Nov. 20.

Dairylea, as the Northeast's largest farm-to-consumer milk marketing cooperative, has 5500 members, with a quarter of them being in Pennsylvania.

The capital financing program is putting $20 million of members' equity into the organization, says Rutherford, a dairyman from Ortego, N.Y. He calls the plan "an outstanding success and the first of its type among farmers in the northeastern United States."

According to telephone interviews conducted by **Lancaster Farming** this week, most of the credit for the new enthusiasm found at Dairylea is going to the cooperative's new general manager, Robert Merz. Described by members as a tough, intelligent, aggressive, and highly capable individual, he holds the office of executive vice president. He joined Dairylea a year ago.

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Funk named chairman of ag preservation group

LANCASTER — Amos Funk, Millersville, was elected chairman of the recently formed agricultural preservation task force at its November 28 meeting.

The group held their first meeting and agreed to ask the Lancaster County Commissioners to appoint a member from the county homebuilders association to the task force. They voted unanimously for the addition to their membership after hearing that there had been a complaint that the homebuilders were not represented on the committee.

Besides electing Funk, the committee named Walden S. Randall, Holtwood R2, from the Lancaster County Planning Commission, vice chairman, and Phyllis Whitesell, Lancaster, League of Women Voters, was chosen secretary.

The first meeting was spent discussing the force tasks goals and asking questions.

Commissioner Jack F. Tracy opened the meeting by asking the group to develop a criteria for preserving selected farmland by February. He also asked the task force to work out legal

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Broiler industry sees more expansion in 1979

By KENDACE BORRY

LITITZ — The broiler industry in Lancaster County has had a good year in 1978, according to reports received, and is hoping for an even better one in 1979.

Constantly growing throughout the U.S., the broiler type chick hatch for October 1978 totaled 309.7 million chicks, up six per cent from a year earlier, according to the USDA. And that made the 14th straight month that the hatch has been above that of a corresponding month a year earlier.

This brought the January through October chick hatch up to 3.24 billion, up six per cent from a year earlier. And that figure is higher than the number of chicks hatched in any full year prior to 1971.

Lancaster County, which is first in the state in broiler production, has good established markets showing growth now, according to Jay Irwin, Lancaster County Extension agent. He saw 1978 as a good year, with no real problems.

Looking to the future, he thinks that the growth may level off slightly, with future growth depending on the market. The supply of broilers available will affect the market, and he cautioned the poultrymen not to overproduce. He added that most broiler

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Livestock market and auction news

Lancaster Livestock

Lancaster, Pa.
Monday, November 27, 1978

	Cattle	Calves	Hogs	Sheep
Today	503	62	627	18
Last Monday	726	159	644	11
Last Year	759	163	586	17
Monday's Auction	366	61	669	29
Last Monday's Auction	505	149	672	19

CATTLE: Compared to last Wednesday slaughter steers steady to firm in a limited test; cows 50-1.00 lower; heifers, bullocks and bulls not enough for an adequate market test.

SLAUGHTER STEERS: Few high Choice and Prime 3-4 1075-1280 lb. 56.50-57.75; Choice 2-4 965-1350 lb. 55.25-57.25, package yield grade 2 57.50; Good to low Choice 2-4 985-1360 lb. 51.00-55.50.

SLAUGHTER HEIFERS: Few Good 2-3 750-1025 lb. 47.50-52.50.

COWS: Utility and Commercial 2-4 42.00-44.10, few 44.25-45.35; few Cutter 1-2 39.85-42.50.

BULLOCKS: Few Good 1055-1350 lb. 50.25-52.50, individual Choice 1105 lb. 54.35.

BULLS: Yield grade 1 1270-1955 lb. 49.75-53.85; yield grade 2 1045-1255 lb. 46.75-49.85.

VEAL CALVES: Vealers steady.

VEALERS: Lot Prime 360 lb. 95.00; few high Good and Choice 190-275 lb. 75.00-85.00, 90-115 lb. 62.00-72.00.

SHEEP: No comparison available.

SLAUGHTER LAMBS: Few Choice and Prime 98-114 lb. 60.00-62.00.

SLAUGHTER EWES: Few Utility and Good 22.50-25.00.

Market courtesy of USDA.

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Best way to cook vegetables? Cook only until tender in just enough water to prevent scorching. Use a pan with a tight-fitting lid. More food value is retained in the cooked vegetable by using the smallest amount of water.

Vintage Livestock

Paradise, Pa.
Tues., November 28, 1978

	Cattle	Calves	Sheep
Today	660	743	18
Last Tuesday	749	638	18
Last Year	673	780	7

CATTLE: Compared to last Tuesday slaughter steers steady to 50 higher; heifers untested last week; cows 1.00-2.00 lower; bullocks 50 higher against last week's limited test; bulls steady to 50 higher. Supply included 34 per cent slaughter steers and 53 per cent cows.

SLAUGHTER STEERS: High Choice and Prime 3-4 985-1410 lbs. 56.85-57.85, few 58.00-58.60; Choice 2 1035-1430 lbs. 56.75-58.10, five head 58.75-59.75; Choice 2-4 920-1470 lbs. 55.10-57.35; mixed Good and Choice 2-4 53.75-55.60; Good 2-3 51.00-55.00.

SLAUGHTER HEIFERS: Few Choice 2-4 845-1015 lbs. 50.50-54.00; package Choice 1-2 1235 lbs. 55.00; Good 2-3 700-1095 lbs. 45.00-49.00.

COWS: Utility and Commercial 1-3 40.60-44.25, some 44.50-46.10; Cutter 1-2 38.00-42.25, few 43.00-43.10; few Canner and low Cutter 1-2 36.00-39.00.

BULLOCKS: Good 970-1230 lbs. 52.25-54.85.

BULLS: Yield grade 1 1060-2065 lbs. 50.00-53.85, individual 56.75.

FEEDER STEERS: Choice 685-1035 lbs. 54.25-59.25.

VEAL CALVES: Vealers mostly steady. Supply included 409 in graded sale of which 42 per cent sold to return to farm.

VEALERS: Few Choice 185-295 lbs. 80.00-88.00, 120-165 lbs. 70.00-84.00; high Good and low Choice 120-280 lbs. 65.00-77.00, 90-115 lbs. 65.00-72.00, few 80-90 lbs. 64.00-68.00, few 60-75 lbs. 50.00-61.00.

RETURNED TO FARM: 45 head Holstein heifers 91-121 lbs. 67.00-80.00; bulk 102-122 lbs. Holstein bulls 82.50-90.00, 25 head 112-121 lbs. 72.00-78.00.

SHEEP: Not enough of anyone class for a market test.

Market courtesy of USDA.

Lancaster Auction

Lancaster, Pa.
Wed., November 29, 1978

	Cattle	Calves	Hogs	Sheep
Today	631	84	1035	122
Last Wednesday	468	64	716	8
Last Year	554	86	1074	16
Wednesday's Auction	490	62	991	8
Last Wedndsday's Auction	223	66	767	8

CATTLE: Compared to Monday slaughter steers steady to 50 higher; heifers no comparison available; cows steady to 1.00 lower with most decline on Canner and Cutter; bullocks not enough for a market test; bulls steady to 25 higher.

SLAUGHTER STEERS: Few high Choice and Prime 3-4 1015-1405 lb. 56.60-57.85; Choice 2-4 980-1465 lb. 55.25-56.85, few Choice 2 56.75-57.85; mixed Good and Choice 2-4 1060-1405 lb. 54.00-55.50; Good 2-3 51.10-54.50; few Good and Choice Holsteins 2-3 1185-1660 lb. 50.85-53.10.

SLAUGHTER HEIFERS: Choice 2-4 880-1325 lb. 52.00-56.00; few Good 2-3 810-1115 lb. 47.50-52.85.

COWS: Utility and Commercial 1-3 40.75-44.10, some 44.25-45.85, couple 46.75; Cutter 1-2 38.50-41.35; few Canner and low Cutter 1-2 36.00-39.00.

BULLOCKS: Few Good 970-1265 lb. 52.85-54.60.

BULLS: Yield grade 1 1000-2190 lb. 51.75-54.10. few 54.25-55.10; few yield grade 1 1105-1475 lb. 46.75-49.35.

VEAL CALVES: Vealers steady, supply mainly 90-115 lb.

VEALERS: Few high Choice and Prime 185-335 lb. 75.00-80.00, 90-115 lb. 62.00-72.00.

SHEEP: Not enough for a market test..

SLAUGHTER LAMBS: Few Choice and Prime 85-100 lb. 60.00-93.00.

SLAUGHTER EWES: Couple Utility and Good 20.00-22.00.

Market courtesy of USDA.

New Holland Livestock

New Holland, Pa.
Thursday, Nov. 30, 1978

	Cattle	Calves	Sheep
Today	1090	709	32
Last Thursday	Holiday		
Last Year	1102	700	4

CATTLE: Holiday last Thursday, No trend.

SLAUGHTER STEERS: High Choice and prime 3-4, 1000-1460 lbs. 56.75-58.60, Choice mainly 2, 1000-1405 lbs. 57.50-59.00, 14 head 59.25-61.00, Choice 2-4, 960-1490 lbs. 55.25-57.50, few yield grade 4-5 54.00-55.00. Mixed good and Choice 2-4, 53.75-55.75, Good 2-3, 52.00-54.25, Good and Choice Holsteins 2-3, 1090-1560 lbs. 48.00-53.50.

COWS: Utility and Commercial 1-4, 41.50-44.85, some 45.00-46.75, few 47.00-47.75, Cutter 1-2, 39.00-41.25, some 41.75-42.75, Canner and low Cutter 36.00-39.50.

BULLS: Yield Grade 1, 1045-1905 lbs. 53.00-57.75, few 58.00-59.00.

BULLOCKS: Choice 920-1160 lbs. 54.50-57.00, Good 975-1285 lbs. 52.00-55.75.

VEAL CALVES: Vealers no comparison available, holiday last Thursday.

VEALERS: Prime 205-315 lbs. 94.00-100.00, individual 105.00, Choice 130-300 lbs. 82.00-96.00, high Good and low Choice 125-295 lbs. 71.00-84.00, 90-115 lbs. 60.00-74.00, few 75-90 lbs. 50.00-64.00.

RETURNED TO FARM: Bulk holstein bulls 90-130 lbs. 76.00-95.00, few Holstein Heifers 95-115 lbs. 97.00-109.00.

SHEEP: No Comparison available.

WOOLED LAMBS: Choice and prime 85-115 lbs. 63.00-68.00.

Market courtesy of USDA.

Lancaster Weekly

Friday, December 1, 1978

	Cattle	Calves
This Week	3675	1625
Last Week	2371	850
Last Year	3749	1725

CATTLE: Slaughter steers mostly 50 higher, instances 1.00 up; heifers firm to 1.50 higher in limited test; cows weak to 1.00 lower, most decline on Canner and Cutter; bullocks steady; bulls firm to 2.00 higher. Supply included 35 per cent slaughter steers, 27 per cent cows, 4 per cent heifers, 4 per cent bulls; balance mainly feeder steers held for Friday afternoon auction.

SLAUGHTER STEERS: High Choice and Prime 3-4 985-1460 lb. 56.60-57.85, few 58.00-58.60; Choice mainly 2 1000-1430 lb. 56.75-59.00, 14 head 59.25-61.00; Choice 2-4 960-1490 lb. 55.25-57.50; high Good and low Choice 2-3 53.75-55.75; Good 2-3 51.00-55.00; Good and Choice holsteins 2-3 1090-1660 lb. 48.00-53.50.

SLAUGHTER HEIFERS: Choice 2-4 845-1325 lb. 52.00-56.00; Good 2-3 700-1115 lb. 47.50-52.85.

COWS: Utility and Commercial 1-4 41.50-44.85, several 45.00-46.75, few 47.00-47.75; Cutter 1-2 39.00-42.25, few 43.00-43.10; Canner and low Cutter 36.00-39.50.

BULLOCKS: Choice 920-1160 lb. 54.50-57.00; Good 970-1285 lb. 52.00-55.75.

BULLS: Yield grade 1 1000-2190 lb. 51.75-57.75, few 58.00-59.00; few yield grade 2 1105-1475 lb. 46.75-49.35.

VEAL CALVES: Vealers steady to 5.00 higher, 90-115 lb. steady to firm.

VEALERS: Prime 205-315 lbs. 94.00-100.00, individual 105.00; Choice 130-300 lbs. 82.00-96.00; high Good and low Choice 125-395 lbs. 71.00-84.00, 90-115 lbs. 60.00-74.00, 75-90 lbs. 50.00-64.00.

B & R CATTLE CO.
RD 1, Marietta, PA 17547
Office Phone: (717) 653-3164
Specializing In Stockers & Feeders
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LEBANON VALLEY LIVESTOCK MARKET, INC.
1 mile East of Fredericksburg along Route 22.
PHONE: JONESTOWN 865-2881
Sale every Tuesday at 1:30 P.M. starting with feeder cattle and pigs.
Also Hay Sale every Tuesday at 12:30.

Beef prices top $60

LITITZ — The live beef prices went over $60 per hundredweight on Thursday for the first time in the past six months, at Lancaster County markets.

At the New Holland Sales Stables, two choice head, one a steer and one a heifer, were reported the high, bringing $61 at the auction.

The top price was paid for the cattle by Siegel Brothers, Wodbine N..J., a small packing and retail firm.

There were more than a dozen other cattle that sold individually for over $60 to small retail buyers.

The last time that cattle topped the $60 mark in the Lancaster County was late in May, when the top grades brought over $60 for four weeks. And that was the first time that had happened since 1974.

HAY, STRAW & CORN
— SALE —
Every Friday at 12 Noon
GREEN DRAGON MARKET & AUCTION
RD No. 4 Ephrata, Pa. 717-733-2334
1 mile North of Ephrata on N. State St.
Out of State Buyers - Cash or Certified Check Only.

LANCASTER STOCKYARDS
WEEKLY SALES
SLAUGHTER SALES — MON. & WED. 10:00 A.M.
VEALERS, LAMBS, HOGS — MON. & WED. 11:00 A.M.
STOCKER & FEEDER SALE — FRIDAY 11:00 A.M.
HOG AUCTION — SATURDAY 9:30 A.M.
NEXT FEEDER PIG SALE — DECEMBER 5, 1978
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24 HOURS A DAY, 365 DAYS A YEAR.
PRIVATE TREATY DAILY
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BULLS, STEERS,
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SALE EVERY TUESDAY - 11 A.M.
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WEEKLY: WED. & SAT. - 9 A.M.
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Get calves in early for grading & weighing.
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FOR MARKETING INFORMATION
PHONE 717-768-8204
HOME PHONE 215-458-5060
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10 miles East of Lancaster on Rt. 30

NEW HOLLAND The Action Auction
AUCTIONS make the difference in marketing livestock!
NEW HOLLAND makes the difference in auctions!
MONDAY's AUCTION:
8.00 A M - Fat Hogs
10:00 A.M. - Horse Sale
11.00 A M. - Hay, Straw & Ear Corn
1 30 P M - Fat Steers, Bulls, Cows & Veal
WEDNESDAY's AUCTION:
12 00 Noon - Hay, Straw & Ear Corn
12 00 Noon - Dairy Sale
1 00 P.M - Feeder Pig Sale
THURSDAY's AUCTION:
11:00 A M - Beef Sale
Order of Sale: Bulls, Fat Steers, Cows, Veal
4:30 P.M - Calf Sale
NEW HOLLAND SALE STABLES INC.
New Holland, PA
Abram W. Diffenbach, Manager Phone: 717-354-4341

Hog Markets

Lancaster Hog

Saturday, November 25
Lancaster, Pa.

Total 840 head.

No. 1, 200 to 235 lbs. 52.00-53.25; No. 1-2, 200 to 245 lbs. 51.25-52.00; Nov. 2-3, 200 to 255 lb. 50.35-51.00; heavyweights 260 to 270 lb. 49.10-50.25.

Monday, November 27, 1978

HOGS: Barrows and gilts mostly 1.00 higher.

BARROWS AND GILTS: Us 1-2 200 245 lb. 52.00-53.10, lot 53.50; Few US 1 205-235 lb. 53.75-54.00; US 1-3 200-255 lb. 50.85-52.10; Few US 2-3 250-270 lb. 49.35-51.10.

Wed., November 29, 1978

HOGS: Barrows and gilts 1.00-1.50 lower.

BARROWS AND GILTS: US 1-2 200-245 lb. 50.50-51.75; Few US 1 200-235 lb. 52.50-53.00; US 1-3 235-250 lb. 49.00-50.00; US 2-3 250-265 lb. 48.00-49.00.

New Holland Hog

New Holland, Pa.
Mon., November 27, 1978

	Hog Auction
Today	1038
Last Monday	1700
Last Year	1173

TREND: Compared to last Monday barrows and gilts 1.50 to mostly 2.00 higher.

BARROWS AND GILTS: US 1-2 200-250 lbs. 51.00-52.10, Many 51.50-52.00; Few lots US 1 205-240 lbs. 52.35-52.60; Few lots US 1-3 225-235 lbs. 51.35-51.50.

Market courtesy of USDA.

New Holland Feeder Pigs

New Holland
Wednesday Nov. 29, 1978

	Feeder Pigs
Today	2020
Last Wednesday	1529
Last Year	1080

Compared to last Wednesday feeder pigs steady to 2.00 higher. All pigs weighed on arrival and sold by the hundred weight.

US 1-2 11 head 20-24 lb. 118.00-127.50; 213 head 30-38 lb. 114.00-127.00; 527 head 39-48 lbs. 99.00-116.00; 294 head 53-57 lb. 95.00-106.00; 159 head 60-67 lb. 91.00-97.00; 82 head 72-84 lbs. 78.00-84.00.

US 2-3 72 head 17-28 lb. 101.00-124.00; 125 head 32-37 lb. 95.00-115.00; 127 head 39-51 lb. 93.00-97.00; 20 head 45 lb. 81.00; 78 head 60-76 lb. 70.00-93.00.

Market courtesy of USDA.

St. Louis Hogs

Wed., November 29, 1978

HOGS: 7500-Barrows & gilts fairly active, weak to mostly 25 lower.

US 1-2 200-235 lb. 49.50-49.75; About 60 head 210-220 lbs. 50.00; Mixed US 1-2 220-250 lbs. 49.00-49.50.

SOWS: Steady to 50 lower.

US

US 1-3 300-600 lb. 39.50-40.00; 1 lot Over 500 lb. 40.50.

Indianapolis Hogs

Thurs., November 30, 1978

HOGS: 2000-Indications are receipts will fall several hundred short. Barrows & gilts opening very slow, not fully established, few early sales under 240 lb. steady.

US 1-2 Few lots 200-240 lb. 49.50-50.00.

SOWS: Very slow, over 450 lb. 1.00-1.50 lower; under 450 lbs. weak to mostly 50 lower.

US 1-3 450-600 lb. 40.00-40.75; 450-600 lb. 40.00 40.75.

Peoria Hogs

Thurs., November 30, 1978

HOGS: 4500-Barrows & gilts moderate, opening mostly 50 lower.

US 1-2 200-230 lb. 49.00-49.50, 116 head 49.75.

US 1-3 220-240 lb. 48.00-49.00.

SOWS: Steady to 50 lower.

US 1-3 350-500 lb. Mostly 40.00, some 40.25; 500-650 lb. 40.00-40.50.

Vintage Hog

Saturday, November 25

No. 1, 200 240 lb. 51.50-53.50; No. 2-3, 200 to 240 lbs. 50.50-51.50; cows 42.00-45.75; boars 39.00-42.00.

Wednesday, November 29

No. 1, 10 to 240 lbs. 51.00-52.00; No. 2-3, 205 to 240 lbs. 50.00-51.00; sows 42.00-45.00; boars 40.00-41.00.

Pa. Grain

November 27, 1978

Compared with last Monday's market, for Southeastern, Central and South Central Pennsylvania:

(Many reporters closed due to the first day of deer season).

Corn steady to 5 cents higher; Wheat steady to strong, instances 15 cents higher; Barley and oats steady; New Ear Corn steady to strong.

Prices paid delivered to dealers dock.

(All prices per bushel, except for Ear Corn per ton.)

Southeastern Pa.

Corn No. 2-y range 2.15-2.35, average 2.24; Wheat No. 2 range 3.30-3.75, few to 3.89, average 3.53; Barley No. 3 range 1.55-1.75, average 1.65; Oats No. 2 range 1.20-1.55, average 1.37; Soybeans No. 1 range 5.90-6.30, average 6.14; Grain Sorghum No. 2 range 1.70-1.75, average 1.73; New Ear Corn range 48.00-58.00, average 52.00; Old Ear Corn 62.00-68.00; average 65.67.

Central Pa.

Corn No. 2-y range 2.00-2.25, average 2.16; Wheat No. 2 range 3.00-3.50, average 3.26; Barley No. 3 range 1.50-1.70, average 1.61; Oats No. 2 range 1.20-1.45, average 1.35; Buckwheat range 7.50, average 7.50; Grain Sorghum No. 2 range 2.00, average 2.00; New Ear Corn range 40.00-48.00; average 44.33; Old Ear Corn range 55.00-60.00, average 58.67.

So. Central Pa.
(Franklin and Cumberland Counties)

Corn No. 2-y range 1.95-2.10, average 2.01; Wheat No. 2 range 3.20-3.40, average 3.25; Barley No. 3 range 1.65-1.85, average 1.72, Oats No. 2 range 1.45-1.55, average 1.48; New Ear Corn range 40.00-48.00, average 42.80; Old Ear Corn range 50.00-55.00, average 53.33.

Southeastern, Central and South Central Summary

Corn No. 2-y range 2.00-2.35, average 2.19; Wheat range 3.10-3.60, average 3.41; Barley No. 3 range 1.55-1.75, average 1.65; Oats No. 2 range 1.20-1.55, average 1.38; New Ear Corn range 40.00-55.00, average 47.69; Old Ear Corn range 55.00-67.00, average 59.22.

Western Pa.

Corn No. 2-y range 2.00-2.30, average 2.15; Wheat No. 2 range 2.75-3.00, average 2.90; Barley No. 3 range 1.45-1.55, average 1.50, Oats No. 2 range 1.15-1.30, average 1.23.

Carlisle Auction

Carlisle, Pa.
November 28, 1978

CATTLE: Steers: Good 51.25-52.75; Standard 46.75-51.00; Cows: Utility & Commercial 40.35-46.60; Cutter 38.75-44.00; Canner & Low Cutter 34.85-40.00; Bullocks: Good & Choice 49.25-53.25.

CALVES: Vealers steady. Choice 71.00-93.00; Good 64.50-80.00; Standard & Good 110-130 lbs. 60.00-74.50; Holstein 106.00-132.50.

HOGS: Barrows & gilts US No. 1-2 48.50-50.25; US No. 1-3 47.50-50.00.

SOWS: US No. 1-3 42.00-44.75.

FEEDER PIGS: US No. 1-3 20-35 lbs. 22.50-31.00 per head, No. 1-3 35-50 lbs. 39.00-45.00.

SHEEP: Slaughter lambs Good 54.00-59.00.

Futures Trading

(Closing Bids as of Thursday, November 30, 1978)

	Chicago Cattle	Chicago Hogs	New York Maine Potatoes	Chicago Fresh Eggs
Dec.	57.02	52.52		64.85
Jan.	57.10			61.20
Feb.	57.72	52.20		56.85
March			5.38	55.10
April	59.52	48.47	5.64	
May			6.52	
June	61.30	50.65		
July		51.15		
Nov.			5.46	

Trend - Cattle are lower, Hogs are lower, Potatoes are lower, and Eggs are higher.

Market Provided by Commodity Department
Reynolds Securities, Inc.

Chicago Grain Futures

(Closing Bids as of Thursday, November 30, 1978)

	Corn	Wheat	Soybeans	Soybean Meal
Dec.	2.26¾	3.78		185.10
Jan.			6.78	187.50
Mar.	2.38¼	3.69	6.91	188.40
May	2.46¼	3.54¾	6.97½	188.10
July	2.50¾	3.31½	7.01½	187.10

Trend - Corn is higher, Wheat is higher, Soybeans are higher, Soybean Meal is higher.

Market Provided by Commodity Department
Reynolds Securities, Inc.

U.S. Inspected Livestock Slaughter

Estimated Daily Livestock Slaughter Under Federal Inspection

	CATTLE	CALVES	HOGS	SHEEP
Week to Date	563,000	54,000	1,296,000	82,000
Same Period Last Week	424,000	39,000	962,000	59,000
Same Period Last Year	587,000	73,000	1,284,000	88,000

Market courtesy of USDA.

SPECIAL NOTICES

On Tuesday, December 5, we will have a large Consignment of 175 head of 40 to 50 lb. Reputation Pigs from Little Piggy Hill Farm.

★

There will be a Graded Feeder Cattle Sale on Friday, December 15 starting at Noon.

★

The entire Yards will be closed to trading on Christmas Day Monday, December 25 but all livestock arriving that day will be fed and watered as usual.

★

There will be a Fat Hog Market on Tuesday, December 26 starting at 1 P.M.

★

The entire Yards will be closed to trading on New Years Day Monday, January 1 but all livestock arriving that day will be fed and watered as usual.

★

Beginning Tuesday, January 2 there will be a Feeder Pig Sale every week on Tuesday for the year 1979 starting at 1 P.M.

NEXT FEEDER PIG SALE
TUESDAY, DECEMBER 5 — 1 P.M.

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Poultry Market Reports

Weekly New York Egg Market

From Monday, November 27 to Friday, December 1

	Mon.	Tues.	Wed.	Thurs.	Fri.
WHITE					
Jumbo	78	78	78	79	79
Ex Large	74	74	74	75	75
Large	72	72	72	73	73
Mediums	68	68	68	68	68
Pullets	53	53	53	53	53
Peewees	41	41	41	41	41
BROWN					
Large	78	78	78	78	78
Mediums	Unquoted				
Pullets	Unquoted				
Peewees	Unquoted				
Off Grade					
Large	68	68	68	69	69
Checks	43	43	43	44	44
Breakers	51	51	51	52	52

Tone: Steady to firm.

Copy right 1977 Urner Barry Publications

N. E. Weekly Shell Egg Report

November 28,1978

Prices paid per dozen Grade "A" Brown eggs in cartons delivered to retail stores:

	Ex. Large	Large	Medium	Small
MASS.+	81-86	80-85	75-80	54-59
Mostly	83-84	82-83	76-78	55-57
NEW HAMP.	75-78	74-79	69-74	48-53
Mostly	76-77	75-76	70-71	49-50
R.I.	84-85	83-84	78-79	57-58
VERMONT	82-89	81-88	76-83	--
Mostly	83-84	82-83	77-79	--
MAINE	80-83	79-82	74-77	53-56

+Includes Central and Western Sections Only.

Nest Run Eggs

Prices are from Egg Clearinghouse, Inc., (ECI) Durham, N.H. and reflect trading prices for gradable nest run eggs (GNR) on ECI, a nationwide trading center for producers, packers and marketers. GNR eggs are classified by weight in 30-dozen cases, and traded in lots of either 300 or 750 cases. Prices are FOB buyers dock, and are computed Tuesday and Thursday of each week. This week's prices for each classification were:

Classification	New Weight Per Case	Tuesday	Friday
Extra Large	51 lbs.		
Class 1 - Large	48 lbs.	59	60
Class 2 - Large	45 lbs.	58	58
Class 3 - Medium	42 lbs.	58	58
Class 4 - Small	39 lbs.	48	48
Breaking Stock	48 lbs.	51	52
Checks	48 lbs.	43	44

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Record-Express Office Building
Phone: Lancaster 717-394-3047
or Lititz 717-626-1164

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PACMA Fowl

PACMA-FACTS

The following market is supplied by PACMA-FACTS, a direct marketing organization affiliated with the Pennsylvania Farmers' Association. Participating poultrymen are members of PACMA, which employs a fowl marketing agent, The Farmers' Agricultural Cooperative Trading Society (FACT) - to sell members' fowl. PACMA works directly with the PFA poultrymen in the program.

Farm point prices prevailing for fowl to be marketed by members during the week of November 27 were 15 plant, 12 farm.

Delmarva Poultry

Ready-to-cook movement continues light, however occasional improvement noted for late week's needs. Slaughter schedules light overall, as occasional plant not operating. Today's LTL asking price generally unchanged at 39-40 cents on plant and 40-41 on U.S. Grade A. Live supplies fully adequate at occasionally heavier than desired weights. Undertone fully steady to firm.

Curent broiler fryer negotiated prices for immediate delivery.

U.S. Grade A 40-42, weight average 40.84; plant grade 39-41, weight average 39.87; premium grade A 48 cents range, weight average 48, premium plant grade 46, average 46.

Philadelphia Eggs

November 29, 1978

Prices unchanged. Cartoning demand light to fair, mostly light. Offerings fully adequate to ample, accumulating in some quarters. Undertone steady but nervous.

Prices to retailers: Sales to volume buyers, consumer grades white eggs in cartons delivered: store door.

A Extra Large 71-74, A Large 70-72, A medium 64.5-67.

Hay Markets

Green Dragon

Ephrata, Pa.
November 24, 1978

Prices per ton:

55 Loads hay and 10 loads straw.

Alfalfa 65.00-104.00; Timothy hay 51.00-81.00; Mixed hay 50.00-82.00, individual 90.00; Clover, individual 78.00; Straw 77.00-103.00; Ear Corn, 10 loads 56.00-72.00; Corn Fodder, 3 loads 36.00-63.00.

New Holland Hay

Monday, November 27, 1978
New Holland Sales Stables

Total 15 loads.

Alfalfa 62-85; mixed hay 42-65; corn 52-65; fodder, 1 load 43; timothy 45-65.

Fogelsville Poultry

Prices paid dock weights, cents per pound, except where noted.

Hens, heavy type 12-25; pullets 44-48; roasters 34; ducks 51-56; rabbits 45-75, mostly 70-75; guineas 1.06.

Total coops sold 122.

Eastern Pa. & N.J. Poultry

November 29, 1978

Prices mostly unchanged on light type hens, though unconfirmed reports indicate offering prices occasionally sharply higher in effort to secure processor needs. Farm offerings short. Offerings of heavy type adequate for a fair call.

Prices paid at farm: light type hens 9-11, mostly 11.

FOB plant 12-13, mostly 13.

Heavytype hens TFTR.

Baltimore Eggs

November 30, 1978

Demand fair. Supplies adequate to ample. Undertone steady.

Cartoned Eggs: Prices to retailers, state graded, Minimum one case sale, white. Grade A Large 76-80, Grade A Medium 70-75.

Regional Hay

(All hay No. 2 and better, prices paid by dealers at the farm and per ton).

Hay and straw steady.

Alfalfa 55.00-70.00; Mixed hay 50.00-65.00; Timothy hay 45.00-60.00; Straw 60.00-70.00; Mulch 25.00-35.00.

Good's Hay

Leola, Pa.
Wednsday, November 29

Total 79 loads.

Alfalfa 45-95, 1 load 122.50; mixed hay 50-70, 1 load 84; corn 58-66; straw 54-104; clover, 1 load 66; corn fodder 37-47; timothy 61-78; firewood 29 per ton.

Harvey Z. Martin Hay

Gap, Pa.
Wed, Nov. 29, 1978

Total 6 loads.

Mixed hay, 2 loads 68 and 81 per ton, 1.50 per bale on a pickup load, per pickup load, 30 for a small load; straw, 1 load 86.

Vintage Hay

Thursday, November 30
Paradise, Pa.

Alfalfa 71, mixed clover and timothy 62; stubble hay 43.

New Holland Horse

New Holland Sales Stables
Monday, November 20, 1978

Reported receipts of 172 head of horses, mules, and ponies. Market steady with last week's market.

Local driving horses 200-790; riding horses 200-350; better horses 375-500; lightweight killers 225-325; heavyweight killers 350-450; mares 15-50; colts 5-15; geldings 15-45; larger ponies 75-175.

xxx

Vegetables such as carrots, sweet potatoes, potatoes, and other roots and tubers retain their most important food values reasonably well if they are kept cool and moist enough to prevent withering.

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Livestock market and auction news

Des Moines Carlot

November 29, 1978

Compared to Tuesday's close: Choice steer beef steady. Choice heifer beef not fully established. Boneless processing beef 4.00-5.00 higher than Monday; 50 PCT trimmings 1.00-1.50 higher. Cow beef 1.00-2.00 hgr. To West Coast area. Trade slow to moderate; demand moderate to light. Sales reported on 24 loads of carcass beef.

STEER BEEF

Choice 3 600-900 lbs. 85.00 including packer/packer, steady; Choice 2 600-800 lbs. 86.50; Choice 2 600-700 lbs. 85.75, selected; Choice 2 550-650 lbs. 86.25; slctd & trmd; Choice 3 550-650 lbs. 85.25; slctd & trmd; Choice 4 600-900 lbs. 76.50; Good 2-3 600-800 lbs. 78.00; Good 2-3 500-900 lbs. 79.50; (Hols type) STD 2-3 500-900 lbs. 76.50.

HEIFER BEEF

Choice 4 500-700 lbs. 76.50.

COW BEEF

Utility 2-3 400 & up lbs. 78.25 to West Coast area 1.00-2.00 hgr.

PRIMAL BEEF CUTS
Choice 3

Hinds 145-190 lbs. 96.00 steer, fores 130-210 lbs. 72.25-74.50; arm chucks 75-120 lbs. 76.50; arm backs 100-150 lbs. 87.50.

BONELESS PROCESSING BEEF

BEEF TRIMMINGS

85 pct chem lean fresh 109.50; 75 pct chem lean fresh 88.00-89.00; 4.00-5.00 hgr than Monday; 50 pct chem lean fresh 47.00-47.50; 1.00-1.50 hgr.

Compared to Tuesday's close: Fresh pork loins 17 & dn lbs. for next weeks shipment 1.50-2.00 lower; 17 & up lbs. steady 1.25 lower. Boston Butts steady-2.00 lower. Skinned hams 17 & up lbs. 25-2.00 higher. Picnics steady; bellies 16-20 lbs. 1.00-2.00 lower. Pork trimmings steady-1.00 higher; boneless picnic meat 1.50-2.00 higher than Monday. Trading moderate to fairly active; demand moderate. Sales reported on 97 loads, including 19 loads of trimmings.

FRESH PORK CUTS

Loins 14/dn lbs. 95.25-95.50 next wk ship 1.50-2.00 lwr; 14/dn lbs. 94.25 export/frozen; 14-17 lbs. 94.25-94.50; 1.50-2.00 lwr; 17-20 lbs. 85.00; stdy-1.25 lwr; 20&up lbs. 77.50; steady. Picnics 4-8 lbs. 75.50, 1.00-2.00 lwr; 4-8 lbs. 75.25 frozen; 8&up lbs. 75.50-76.50; stdy-1.00 lwr. Spareribs 3/dn lbs. 94.00 frozen/T.I.S. Skinned hams 14-17 lbs. 105.50; 14-17 lbs. 105.50 frozen; 17-20 lbs. 100.25, 25-75 hgr; 20-26 lbs. 89.50-90.00; 2.00 higher; 20-26 lbs. 90.50 frozen; 26-30 lbs. 78.00; 26&up lbs. 77.25-78.00, 1.25-2.00 hgr. 26 & up 76.00 frozen. Bellies, sdls 10-12 lbs. 56.50 frozen, 1.50 lower; 16-18 lbs. 58.00-59.00, 1.00-2.00 lwr than Monday; 18-20 lbs. 53.00-53.50, 1.00-1.50 lwr; 18-20 lbs. 55.50-55.75 frozen/T.I.S. 20-25 lbs. 53.50 frozen/T.I.S. Bnls ct butt 1½-3 lbs. 118.00 frzn/Jan. delivery Cheek meat frozen 95.50, steady. Pork trimmings/boneless processing pork (chemical lean) 42 pct trmgs 42.00 frozen/boxed steady; 72 pct trmgs 85.00-86.00 frozen/boxed stdy-1.00 hgr; 72 pct bnls 86.75 frozen/bags; 72 pct bnls 86.75 fresh/bins; picnics late Tuesday; 72 pct bnls 89.50 frozen/boxed 1.50-2.00 hgr Monday, picnics late Tuesday.

Market courtesy of USDA.

East Coast Carlot Meats

November 29, 1978

Commitments very light for carcass beef moderate on primal cuts. Formula sales Choice 3 steers 50 to 75 higher, formula sales Choice 3 heifers generally steady. Prime special fed veal firm to 2.00 higher. Good Choice boning veal steady to weak on limited test. Fresh pork loins 1.50 to 2.00 lower. Boneless beef 90 per cent chem lean fresh 2.00 to 5.00 hgr.

STEER BEEF
5 Loads

Forumla sales last Tuesday base; Choice 3 600-800 lbs. 88.25-89.00; 50 59 75 hgr., few 800-900 lbs. 88.25-89.00.

HEIFER BEEF
2 Loads

Formula sales late Tuesday base; Choice 3 500-700 lbs. 86.25-86.75, generally steady.

COW BEEF
2 Loads

Utility brkg 1-2 400 lbs. up 78.50; Canner-Cutter 1-2 350 lbs. 87.00.

BEEF CUTS
Choice 3
9 Loads

Steer hinds 145-190 lbs. 97.00-99.50, gen stdy; arm chucks 90-130 lbs. 80.00; 200-400 hgr; arm backs 91.00; rounds, steer 60-85 lbs. 101.00.

LAMB CARCASS
Choice and Prime 3-4
3 Loads

55 lbs. dn 123.00-126.00 part lds; 60 lbs. dn 119.00 part load, 55-65 lbs. 106.00; few.

FRESH PORK CUTS
32 Loads

Loins 14 lbs. dn 99.00; 14-17 lbs. 98.00; 150-200 lwr; sk hams 17-20 lbs. 109.00.

CURED AND PROCESSED MEATS
11 Loads

Sk hams 16-19 lbs. 116.00, firm; semi bnls hams 17-20 lbs. 125.00, steady; 19-23 lbs. 119.00; boneless hams 13-17 lbs. 161.00, steady; franks 70 beef, 30 pork 1 lb. pack 81.00, steady; bologna 70 beef, 30 pork 1 lb. pack 87.00, steady.

BONELESS BEEF
4 Loads

90 pct chem lean, fresh 121.00-122.00, 200-500 hghr; frozen 123.00 load; 85 pct chem lean, fresh 110.50.

VEAL CARCASS-HIDE ON

Prime (special fed) 180-240 lbs. 180-240 lbs. 135.00-140.00, firm to 200 hr.

BONING TYPE
Good and Choice

Northeastern Suppliers: 65-75 lbs. lmtd 104.00, steady; 55-64 lbs. 102.00, steady; 45-54 lbs. lmtd 100.00, steady; 35-44 lbs. lmtd 98.00, steady; 34 lbs. dwn lmtd 96.00, steady.

Midwest and West Coast Suppliers: 70-80 lbs. lmtd 104.00, weak; 60-70 lbs. lmtd 102.00, weak; 50-60 lbs. lmtd 100.00, weak; 40-50 lbs. 98.00, weak; 30-40 lbs. lmtd 96.00, weak.

Market courtesy of USDA.

Hunter's Auction

November 27, 1978
Rising Sun, Md.

STEERS: Good to Choice 49.00-52.00.

FEEDER HEIFERS: High Choice and Prime 50.00-51.50; Good to Choice 38.75-44.50.

FEEDER STEERS: Standard to Good 48.50-55.00.

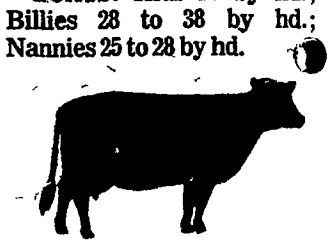
COWS: High Choice to Prime 44.50-45.75; Good to Standard 43.75-44.00; Utility 41.25-43.50; Cutters 40.25-40.75; Canners 33.75-39.25.

CALVES: High Choice 140-180 lbs. 75.00-87.00; Good to Choice 120-140 lbs. 68.00-84.00; Standard to Good 90-110 lbs. 68.00-85.00; Utility 70-85 lbs. 60.00-74.00; Low Utility 65-75 lbs. 55.00-67.00.

HOGS: 250-300 lbs. 46.50-49.50.

SHEEP: 25.00-26.00.

GOATS: Kids 25 by hd.; Billies 28 to 38 by hd.; Nannies 25 to 28 by hd.



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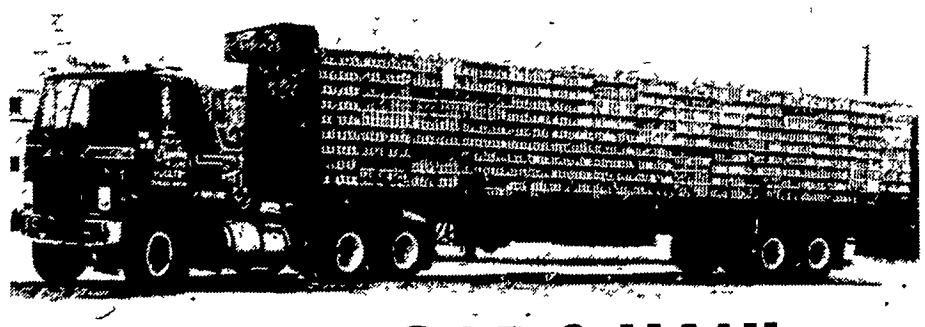

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Livestock market and auction news

Lebanon Valley Livestock

Fredericksburg, Pa.
November 28, 1978

CATTLE 174. Compared with last Tuesday's market, slaughter cows grading Utility & Commercial 75 cents to $1 lower; Canner & Cutter mostly $1 higher. One High Choice 1160 lbs. slaughter steer at 57.50, Choice No. 2-4 955-1325 lbs. 54.60-55.85, one at 56.75, few Good 53.00-54.85, few Standard & Good 50.00-51.10. Two Choice slaughter heifers at 53.00, Standard & Good 44.00-50.10. Utility & Commercial slaughter cows 42.10-45.10, few to 46.00, Cutters 39.75-42.85, Canner & Low Cutter 35.00-40.50, few Shells down to 32.75. Few Good slaughter bullocks 50.25-52.25, few Standard 46.00-49.60. Two Yield Grade #1 1615 and 1660 lbs. slaughter bulls 52.85 and 53.60; one Yield Grade #2 1220 lbs. at 48.75.

CALVES 234. Vealers grading Standard & Good mostly $3 to $4 higher. Two Prime vealers 90.00 and 92.00, few Choice 82.50-89.00, few Good 72.00-78.00, Standard & Good 90-120 lbs. 69.50-78.00, 70-90 lbs. 61.00-69.50, Utility 45-100 lbs. 25.00-60.50. Farm calves, holstein bulls 90-120 lbs. 69.50-88.00; holstein heifers 90-130 lbs. 103.00-128.00.

HOGS 368. Barrows & gilts mostly 25 cents to 75 cents higher. US No. 1-2 200-250 lbs. barrows & gilts 51.00-51.25, lot 51.85, lot 50.35, No. 1-3 200-255 lbs. 50.25-51.00, No. 2-3 195-270 lbs. 49.25-50.10, few 280-390 lbs. 44.00-47.00, few No. 1-3 130-180 lbs. 42.85-49.00. Sows 25 cents to 75 cents lower. US No. 1-3 320-540 lbs. sows 41.50-43.75. Two Boars at 36.00.

FEEDER PIGS 24. US No. 1-3 25-35 lbs. feeder pigs 84.00-110.00 cwt., Lot No. 1-3 70 lbs. 45.00 cwt.

SHEEP 13. Few Choice 65-105 lbs. wooled slaughter lambs 55.00-58.50, two Good 85 and 155 lbs. 40.00 and 54.50. Slaughter ewes 22.00-23.50.

Market courtesy of PDA.

Martinsburg Auction

Martinsburg, Pa.
November 27, 1978

CATTLE 144. Choice slaughter steers 54.50-57.00, Good 53.00-55.00, Standard 49.00-51.00, Utility 46.00-50.00. Good slaughter heifers 48.50-52.00, Standard 47.00-50.00; Utility 46.00-48.00. Utility & Commercial slaughter cows 42.50-46.50, couple to 47.00, Cutters 39.50-43.00, Canner & low Cutter 38.00-42.00, Shells down to 32.50. Few Choice slaughter bullocks 56.60, Good 52.00-54.00, Standard 50.00-52.00. Yield Grade #1 1400-2400 lbs. slaughter bulls 53.00-56.00; yield Grade #2 900-1400 lbs. 48.50-52.00.

CALVES 225. Choice vealers 84.00-92.00, Good 75-85.00, Standard & Good 90-110 lbs. 60.00-72.00, 70-90 lbs. 50.00-68.00. Farm calves, holstein bulls 90-120 lbs. 78.00-92.00; holstein heifers 80-130 lbs. 80.00-130.00.

HOGS 203. US No. 1-3 200-230 lbs. barrows & gilts 51.50-52.00, No. 1-3 190-250 lbs. 48.50-51.50, No. 2-3 200-240 lbs. 48.00-51.00. US No. 1-3 300-500 lbs. sows 40.00-45.00, No. 2-3 300-600 lbs. 38.50-42.00. Boars 32.00-38.00.

FEEDER PIGS 35. US No. 1-3 25-35 lbs. feeder pigs 22.00-42.00 per head, No. 1-3 35-50 lbs. 38.00-48.00 per head.

SHEEP 5. Few Choice wooled slaughter lambs 55.00-60.00.

Market courtesy of PDA.

Leesport Auction

Leesport, Pa.
November 22, 1978

CATTLE 182. Supply included 48 head feeder cattle. Compared with last Wednesday's market, slaughter steers & cows about steady. Low Choice 1000-1200 lbs. slaughter steers 54.25-55.75, Good 52.00-54.50, few Standard 49.25-51.10. Couple Choice slaughter heifers 51.35 and 54.10, few Good 50.00-51.50. Utility & Commercial slaughter cows 42.00-45.10, couple to 45.85, Cutters 40.00-42.85, few Canner & Low Cutter 37.25-39.00. Few Yield Grade #1 975-1700 lbs. slaughter 48.60-54.00. Few Choice 375-450 lbs. feeder steers 60.00-67.50, lot Good 825 lbs. 55.00.

CALVES 141. Vealers grading Standard & Good 70-110 lbs. $5 to $10 lower. Choice vealers 76.00-87.00, Good 66.00-75.00, Standard & Good 90-110 lbs. 63.00-67.00, 70-85 lbs. 50.00-62.00, few Utility 50-100 lbs. 40.00-50.00. Farm calves, holstein bulls 90-120 lbs. 70.00-87.00; holstein heifers 100-160 lbs. 100.00-160.00.

HOGS 166. Barrows & gilts 50 cents to $1.50 higher. Few lots US No. 1-2 200-220 lbs. barrows & gilts 51.60-52.60, No. 1-3 195-260 lbs. 49.35-50.85, No. 2-3 250-270 lbs. 48.50-50.10. U.S. No. 1-3 350-600 lbs. sows 40.00-43.75, couple to 45.00, few No. 2-3 500-700 lbs. 38.00-40.00, few Boars 29.00-34.00.

FEEDER PIGS 53. Few lots US No. 1-3 21-38 lbs. feeder pigs 105.00-130.00 cwt.

SHEEP 11. One Choice 90 and 130 lbs. wooled slaughter lambs 52.00 and 62.00, few Good 60-70 lbs. 51.50-55.00. Few Slaughter ewes 10.00-22.50.

Market courtesy of PDA.

Peoria Livestock

November 30, 1978

CATTLE THIS WEEK: 6200 LAST WEEK: 4800 YEAR AGOWC: 7700

Compared with last week's close, slaughter steers and heifers 50-1.00 higher. Cows 50-1.00 higher. Bulls firm to 1.00 higher. Receipts about 60 per cent slaughter steers, 35 per cent slaughter heifers, balance mainly cows. Steer supply mostly choice 1050-1150 lbs., with choice and prime offerings scarce.

SLAUGHTER STEERS: Load choice and prime 3-4 1270 lbs. 56.00; choice 2-4 1050-1250 lbs. 54.50-56.00, including couple loads 1400 lbs. 56.00; late 54.50-55.50; three loads 56.25-56.50; 900-1050 lbs. 54.00-55.00; mixed good and choice 2-4 950-1300 lbs. 52.50-54.50; good 2-3 50.50-52.50; load good and choice 2-3 holsteins 1400 lbs. 50.50.

SLAUGHTER HEIFERS: choice and prime 3-4 900-1050 lbs. 53.00-53.75; four loads 54.00-54.25; choice 2-4 850-1025 lbs. 52.00-53.00; 800-900 lbs. 51.00-52.00; mixed good and choice 2-4 800-1000 lbs. 50.00-52.00; good 2-3 46.50-50.00.

COWS: utility and commercial 1-3 40.00-42.00; high-dressing utility 43.00-44.00; cutter 1-2 35.50-40.00; canner 34.50-35.50.

BULLS: yield grade 1-2 1100-1800 lbs. 43.00-48.00; few yield grade 1 49.00-49.50, individual 51.00.

Market courtesy of USDA.

Baltimore USDA

November 27, 1978

CATTLE 250: Not enough sales steers for a market test, few sales heifers firm, cows 75-1.50 higher than last Monday or firm to 50 cents higher than Friday market, few bulls steady. Supply 15% slaughter steers and heifers 60% cows, 20% feeders, balance bulls.

SLAUGHTER STEERS: Choice 3 1060-1100 lbs. 53.00-54.85; package high Good & Choice 2-3 1045 lbs. 52.50; several Good Holsteins 2 1495-1575 lbs. 48.25-49.00.

SLAUGHTER HEIFERS: several Choice 3-4 935-1035 lbs. 52.35-52.75; few Good & Choice 2-3 940-990 lbs. 49.85-50.75; Good 2-3 770-930 lbs. 45.75-49.25.

COWS: Utility 2-3 40.00-45.50; Cutter 38.00-41.75; Canner & low Cutter 34.00-38.00.

BULLS: Y G 1-2 1030-2060 lbs. 48.00-51.50.

FEEDER CATTLE: Choice steers 295-600 lbs. 61.00-64.50; package 288 lbs. 68.50; few 725-870 lbs. 55.00-57.50.

HOGS 700: Compared with last Tuesday Barrows & Gilts mostly $1.50 higher; US 1-2 200-240 lbs. 50.25-50.50; 21 head US 1 51.00-51.50; US 2-3 230-260 lbs. 49.25-50.25.

SOWS: 50-1.00 higher; US 1-3 300-600 lbs. 39.50-41.00; few 41.50.

VEAL & CALF AUCTION 35: Choice 130-265 lbs. Vealers 70.00-83.00; Individual 90.00; Good & Choice 80-120 lbs. 65.00-73.00; couple Choice calves 266-280 lbs. 68.50-71.00.

Chambersburg Auction

Chambersburg, Pa.
November 30, 1978

CATTLE 363. Compared with 2 weeks ago market, slaughter steers Choice YG 975-1350 lbs. 54.85-56.35; Good 51.10-55.10, Standard 48.25-52.00; Utility 43.85-47.00; few Good & Choice YG sl. heifers 48.00-54.50; few Standard 46.75-48.50; Utility & Commercial sl. cows 41.25-46.00, few 47.25; Cutters 40.25-44.25; Canner & L. Cutter 37.00-41.50, Shells down to 34.00; few Utility 45.00-50.25; Yield Grade #1 975-1900 lbs. 47.00-53.10.

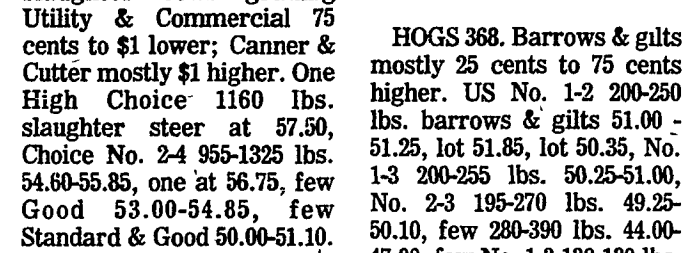
CALVES 502. Prime vealers 93.00-99.00, Choice 81.00-94.00, Good 71.00-82.00; Standard & Good 90-110 lbs. 70.00-75.00; 70-85 lbs. 64.00-69.00, Utility 50-100 lbs. 40.00-60.00.

FARM CALVES: Hol. Bulls 90-120 lbs. 72.00-90.00, few 94.50. Hol. Heifers 90-130 lbs. 85.00-117.50.

HOGS 73. Barrows and gilts No. 1-3 200-240 lbs. 48.00-49.50, 1 lot No. 2-3 160 lbs. at 43.75; US No. 1-3 400-550 lbs. sows 41.50-43.00, couple 46.50, few Boars 33.50-35.25.

FEEDER PIGS 78. US No. 1-3, 20-30 lbs. feeder pigs 21.50-30.00 per head, No. 1-3 35-50 lbs. 36.00-47.50.

SHEEP 18. Wooled sl. lambs Good & Choice 70-110 lbs. 57.50-59.50.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Livestock market and auction news

Western Md. Market

Westminster, Md.
November 21, 1978

BUTCHER CATTLE: Medium run, very active. Fat Steers Good demand, Top 56.50; Good-Choice 48.00-56.50; Standard 44.00-48.00; Heifers, Top 52.00; Cows, very active $2.00 higher. Good Cows, 44.00-46.50; Standard & Utility 40.00-43.00; Canners 38.00-41.00; Shelly 40.00 Down; Bulls Good demand, Top 50.25.

BUTCHER HOGS: Good run, prices lower. Top Hogs, few at 50.00; Bulk 200-225 lbs. 47.00-48.50; 230-260 lbs. 47.00-48.50; 170-190 lbs. 46.00-50.00; Heavy Weights to 48.00; Sows to 40.00, Bulk 37.00-39.00.

VEAL CALVES: Good run, light calves $5.00 lower. Tops, to 88.00; Good-Choice 75.00-86.50; Standard 60.00-75.00; Light calves 50.00-60.00; Weak & Rough 50.00 Down; Farm Heifers to 129.00; Bulls to 75.00.

STOCK CATTLE: Medium run, prices steady to higher; Stock Steers 45.00-68.50; Stock Heifers 42.00-66.00, lightweights to 74.00; Stock Bulls 43.00-58.00.

PIGS AND SHOATS: Large run, prices steady; By the head 15.00-45.00; Shoats to 54.00.

Belleville Auction

Belleville, Pa.
November 29, 1978

CATTLE 127. Compared with last Wednesday's market; one Good slaughter steers at 49.50. Couple Choice slaughter heifers 51.75 and 52.85, few Utility 44.10-47.10. Utility & Commercial slaughter cows 39.50-44.35, couple to 45.75, Cutters 39.00-42.50, few Canner & Low Cutter 37.85-38.60, Shells down to 32.75. Few Yield Grade #1 1400-2400 lbs. slaughter bulls 47.75-53.10.

CALVES 161. Choice vealers 84.00-95.00, Good 69.00-80.00, Standard & Good 90-110 lbs. 60.00-67.00, 70-85 lbs. 53.00-60.00. Farm calves, holstein bulls 90-120 lbs. 65.00-76.00; few holstein heifers 90-120 lbs. 80.00-117.00.

HOGS 217. US No. 1-2 210-235 lbs. barrows & gilts 50.75-51.00, No. 1-3 215-240 lbs. 49.00-50.50, No. 2-3 240-260 lbs. 46.35-47.25. US No. 1-3 300-650 lbs. sows 39.25-42.50. Few Boars 33.25-34.00.

FEEDER PIGS 377. US No. 1-3 20-35 lbs. feeder pigs 25.50-38.00 per head, No. 1-3 35-50 lbs. 33.00-44.50, No. 1-3 60-75 lbs. 42.50-49.00 per head.

SHEEP 23. Good & Choice 70-110 lbs. wooled slaughter lambs 52.00-63.00, Few Slaughter ewes 14.00-30.00.

Market courtesy of PDA.

Shenandoah Valley Livestock

Harrisonburg, Va.
November 25, 1978

Stocker, Feeder & Slaughter Cattle: Good light Steer Calves 68.00 to 72.50; Medium 65.00 to 68.00; Plain 60.00 and down; Good Heavy Steers 65.00 to 69.00; Medium 60.00 to 65.00; Plain 55.00 and down; Holstein Steers 48.00 to 53.50; Good Slaughter Steers Not enough to quote; Good Light Heifer Calves 55.00 to 59.00; Medium 50.00 to 55.00; Plain 47.00 and down; Good Heavy Heifers 50.00 to 54.25; Medium 47.00 to 50.00; Plain 45.00 and down; Good Slaughter Heifers Not enough to quote; Slaughter Cows 40.00 to 44.75; Utilities 35.00 to 40.00; Canners and Cutters 33.25 and down; Milk & Stock Cows 400.00 and down; Stock Bulls 37.50 to 55.50; Slaughter Bulls 35.00 to 50.75.

Calves: Veal Calves 86.00 and down; Baby Calves 82.50 and down.

Sheep and Lambs: Choice Blue 0 60.25; Good Red 0 55.25; Feeder Lambs 64.00 to 67.50; Slaughter Ewes 20.00 to 22.00.

Hogs: Top Not enough to quote; Sows 35.00 to 46.00; Butcher Hogs 49.00 and down.

St. Louis Cattle

National Stockyards
November 30, 1978

Receipts this week 7,300: week age 3,500: year ago 8,400 compared to the previous weeks close, slaughter steers 1.00, instances 1.50 higher. Slaughter heifers 1.50-2.00 higher. Cows unevenly 1.00-2.00 higher. Bulls mostly 1.00 higher. Slaughter supply mainly Choice 2-4 1025-1200 lbs. steers, around 13 percent heifers and 15 percent cows.

SLAUGHTER STEERS: Mixed Choice and Prime 2-4 1025-1200 lbs. 54.50-55.00. Choice 2-4 975-1250 lbs. 52.50-55.00, closing sales 52.50-54.00. Mixed Good and Choice 2-4 900-1200 lbs. 51.50-53.50. Good 2-3 900-1175 lbs. 49.50-52.00. Standard to Good 2-3 1050-1325 lbs. holsteins 48.00-50.00.

SLAUGHTER HEIFERS: Mixed Choice and Prime 2-4 875-1050 lbs. 52.50-53.50, part load early at 54.00; closing week sales 52.50-53.00, couple part loads 53.50. Choice 2-4 800-1050 lbs. 51.00-53.00, mostly closing sales 51.00-52.00. Mixed Good and Choice 2-3 700-975 lbs. 49.00-51.00. Good 2-3 700-950 lbs. 46.00-49.50.

COWS: Utility and Commercial 2-4 37.00-42.00. Few Commercial 5's 36.00-40.00. Boning utility 1-2 41.00-43.00, closing 42.00-43.00. Cutter 1-2 36.00-41.00. Canner and low Cutter 1-2 33.00-36.50.

BULLS: Yield Grade 1-2 1050-1900 lbs. 45.00-50.00. Few Yield Grade 1 at 51.00.

FEEDERS: (including around 2,800 at the regular Thursday auction). Feeder steers 2.00-5.00 higher. Fedder heifers 2.00-4.00 higher. Demand continued very good. Supply mainly Choice and Mixed Good and Choice 400-700 lbs. steers and 300-600 lbs. heifers.

FEEDER STEERS: Choice 300-400 lbs. 75.00-80.00; 400-500 lbs. 72.75-78.25; 500-600 lbs. 70.00-74.00; 600-760 lbs. 60.50-67.50. Mixed Good and Choice 350-500 lbs. 68.00-74.00; 525-625 lbs. 61.75-69.00. Couple lots Standard and Good 650-865 lbs. holsteins 53.50-56.00. Lot Choice and Prime 310 lbs. feeder steers 86.00 and load 410 lbs. 83.75.

FEEDER HEIFERS: Choice 325-500 lbs. 61.00-66.25, lot 230 lbs. 66.50; lot 195 lbs. 75.00; 500-600 lbs. 58.25-64.75. Mixed Good and Choice and few lots Choice compact 300-500 lbs. 55.50-62.75; 600-675 lbs. 52.50-54.75.

Joliet Cattle

November 30, 1978

CATTLE: Friday through Wednesday's salable receipts 6,500, 4 days last week 5,696, same period last year 9,124. Trading was slow to moderate for the week. Slaughter steers and heifers closed the week 75 to 1.00 higher than Wednesday of last week. Cows closed the week 50 higher.

SLAUGHTER STEERS: Mixed high Choice and Prime 3-4 1150-1400 lbs. 55.75-56.25 Monday, 56.00-56.50 Wednesday. Choice 2-4 1050-1250 lbs. 54.50-55.75 Monday, 55.00-56.00 Wednesday. Mixed Good and Choice 2-3 1000-1200 lbs. 53.50-54.50 Monday; 54.00-55.00 Wednesday. Load mixed Good and Choice holsteins 1300 lbs. 49.75 Monday.

SLAUGHTER HEIFERS: Mixed Choice and Prime 3-4 950-1100 lbs. 53.75-54.25 Monday; 54.25-54.50 Wednesday. Choice 2-4 900-1050 lbs. 53.00-53.75 Monday; 53.50-54.25 Wednesday. Mixed Good and Choice 2-3 800-1000 lbs. 52.00-53.00 Monday; 52.50-53.50 Wednesday.

COWS: Utility and Commercial 1-3 39.50-41.00 Monday; 40.50-42.00 Wednesday. Canner and Cutter 1-3 38.00-40.50 Wednesday.

Market courtesy of USDA.

Oklahoma Cattle

November 30, 1978
Thursday Feeder Cattle Auction & Weekly Summary

Estimated Receipts: 8000
Same Day Last Week: Holiday

Fairly Active; feeder cattle and calves steady, instances 1.00-2.00 higher on offerings over 600 lbs.; majority receipts choice 300-750 lb. feeder steers and 300-600 lb. feeder heifers; moderate attendance of buyers.

FEEDER STEERS: Choice, few prime 300-400 lb. 83.50-91.50, mostly 85.00-90.50; 400-500 lb. 82.00-88.00; 500-600 lb. 72.50-78.75, two part loads 519-537 lb. 80.50-80.80; few fleshy offerings 70.00; 600-700 lb. 68.25-74.75, few 600-640 lbs. 75.50-77.20; few fleshy offerings down to 64.50; 700-800 lbs. 63.25-68.50; few 800-930 lbs. 61.25-64.00; mixed Good and Choice 300-400 lbs. 75.00-82.75; 400-500 lbs. 72.75-78.75; 500-600 lbs. 66.00-70.25; 600-700 lbs. 60.00-64.25; 700-800 lbs. 59.50-62.00; 700-800 lbs. 55.00-60.25; few Good 600-700 lbs. holstein steers 59.00-2.00; 700-875 lbs. 53.00-55.00.

FEEDER HEIFERS: Choice, few prime 300-400 lb. 73.00-77.80; 400-500 lb. 70.00-76.50; 500-600 lb. 62.50-69.25, two small lots 507-566 lb. 73.75-76.25; 600-700 lb. 61.00-63.25; mixed good and choice 300-500 lb. 63.50-70.50; 500-600 lb. 60.75-63.75; small lot 729 lb. 55.25; few good 300-500 lb. 61.00-62.50; 500-600 lb. 55.25-60.75.

FOR THE WEEK: Compared to late last week feeder calves under 500 lbs. 5.00-10.00 higher, offerings over 500 lbs. 2.00-4.00 higher, instances 5.00 higher; slaughter cows closed 1.00-2.00 higher, late sales utility and commercial 2-3 40.50-45.50, cutter 1-3 38.50-40.25; bulls closed 1.00-2.00 higher, week sales consited YG 1-2 1000-1700 lb. 45.75-53.00; salable receipts compared to 6530 head the holiday shortened period last week and 21103 head the same week a year ago. Cows and bulls near 9 per cent of cattle receipts, feeders near 91 per cent of the total.

Market courtesy of USDA.

Carroll's Market

Felton, Delaware
November 24, 1978

COWS: Utility 42.75-45.25; Cutter 41.00-42.75.

STEERS: Choice 54.00-56.25; Good 50.00-54.00; Standard 45.00-50.00.

BULLS: 44.00-48.50.

VEAL CALVES: Prime 80.00-89.00; Choice 70.00-80.00; Good 60.00-70.00; Standard 53.00-60.00; Monkeys returning to farm 57.00-76.00.

LAMBS: 39.00-71.00.

HOGS: 48.75-49.75.

SOWS: 39.50-43.00.

BOARS: 36.25-39.75.

Pigs sold between 16.00-65.00.

Lancaster Feeder Cattle

Lancaster, Pa.
Fri., November 24, 1978

Feeder Cattle	
Today	506
Last Friday	944
Last Year	461

TREND: Hardly enough of any one class for a market test with bulk of the supply sold in lots of three or less in a clean up trade; few sales feeder steers steady.

FEEDER STEERS: One lot Choice 660 lbs. 68.50, couple lots Choice 810-900 lbs. 57.35-58.85; mixed Good and Choice 500-550 lbs. 65.25-67.25, 625-775 lbs. 59.00-61.50, 780-835 lbs. 55.50-58.50, 900-1010 lbs. 53.00-55.85; one lot Good 1040 lbs. 52.85.

Market courtesy of USDA.

New Holland Dairy

New Holland Sales Stables
Wed., November 29, 1978

Reported receipts of 147 cows, 82 heifers, and 2 bulls. Market steady with last week's market.

Load of Canada, fresh 1300-1350, springers 780-1240; load of Pa., fresh 975-1175; load of N.Y., fresh, purebred and grade 1050-1725, springers 975-1475; load of Pa., fresh 1250-1375; local cows 650-1360; springing heifers 725-875, purebreds 900-1100; bulls 430-550; herd dispersal of 100 head in all stages of lactation 275-920.

Valley Livestock

Valley Stockyards
Athens, Pa.
Monday, November 27, 1978

Reported receipts of 427 calves, 142 cows, 136 hogs, 21 heifers, 20 bulls, and 11 steers. Cattle market strong and calf market steady.

Veals 78.00-88.50; bobs, 90 to 110 lbs. 69.00-82.00; bobs, 80 lb. and down 48.50-95.50; grassers and feeders 37.00-46.50; hogs, 200 to 250 lb. 44.00 47.25; sows 28.00-44.00; boars 26.00-33.00; pigs 13.00-47.00; heifers 38.50-56.00; steers, good 50.50-56.00; bulls 44.00-53.25; cows, good 41.00-45.00; cows, medium 36.00-41.00; cows, poor or small 23.50-39.00; horses 92.50-302.50; ponies 28.00-41.00; goats 21.00-38.00.

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THE OLD FARMER'S ALMANAC

DEC. 4-10, 1978

Expect chilled nose and toes.

Are your Christmas cards ready for mailing? Linda Bird Johnson-Robb White House wedding Dec 9, 1967 First quarter of the moon Dec 6 Average length of days for the week, 9 hours, 10 minutes Albatross nesting now Pioneer 10 sent back photos of Jupiter Dec 4, 1973 *Whoever would be cured of ignorance must first confess it*

Ask the Old Farmer: A few years ago a friend told us about the tradition of a "friendship jar." I was only half listening and have forgotten. Could you tell me about it? W N, Waycross, Georgia

Not sure, but we recall a sort of small-nosed bottle filled with rose petals, cinnamon, and sugar, with friends' names written on slips of paper and stuck inside. Uncorked on special occasions, the perfume would fill a room.

Home Hints. An old metal shower ring makes a sturdy key ring

OLD FARMER'S WEATHER FORECASTS

New England: Cloudy and cold with light snow to midweek then sunny and very cold

Greater New York-New Jersey: Cold with scattered flurries to midweek, then sunny and very cold

Middle Atlantic Coastal: Mild with heavy rain, then cloudy with light snow north for end of week

Piedmont & Southeast Coastal: Rainy and cold to start, then partly sunny and very cold

Florida: Rain, heavy north for first of week, then clear with light frost north

Upstate NY-Toronto & Montreal Snowy all week, heavy in mountains

Greater Ohio Valley Week begins cold with light snow, partly sunny for weekend

Deep South Clear and cold to start, then partly sunny, deep freeze for remainder of week

Chicago & Southern Great Lakes Very cold with light snow most of week, then cloudy and mild

Northern Great Plains-Great Lakes Partly sunny and mild in west, seasonal east, some flurries

Central Great Plains Sunny and cold first of week then rain southeast and flurries west by weekend

Texas-Oklahoma Cloudy with frost north most of week then rain

Rocky Mountain Week begins cold and sunny in south with light snow north, light snow for weekend

Southwest Desert Sunny and warm west, cloudy east then cloudy with light showers by weekend

Pacific Northwest Cloudy and cold throughout week

California: Clear and warm to midweek, then light rain on coast and snow east in mts

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EDITORIAL COMMENTS By DIETER KRIEG, EDITOR

The Dairylea situation:

Positive attitude deserves praise

Sitting here at my video display terminal (instead of a typewriter) is a happy occasion tonight - despite the late hour. I've just concluded a series of interviews with several Pennsylvania dairymen, discussing with them their thoughts on marketing. Apparently, to my pleasant surprise, a good many farmers are taking the sales of their products very seriously. What impresses me is that none of the dairymen I talked to are taking their market for granted.

That's good news.

It's good news because the agricultural community has generally been plagued with a lack of enthusiasm and concern for the product once it's in the bulk tank, crate, or bin. The emphasis has always been (and still is) on production while anything beyond that is generally never fully accepted as a part of the farming business.

Evidently, the tide is turning. Members of Dairylea Cooperative, Inc. stand as proof of that statement. I, for one, rejoice in their convictions and actions. As an observer and editor, it's easy for me to say that. It isn't costing me a penny to write these words and I have nothing at stake in Dairylea or any other cooperative.

Members of Dairylea, however, couldn't just give verbal support to their capitalization plan which is intended to give their cooperative a strong financial footing. They had to give their vote of confidence in the form of cash. There's no denying that it hurt. An easier route may have been to just quit and go elsewhere, but the great majority of them decided to stay with their bargaining and marketing unit - Dairylea.

My hat is off to those dairy farmers and I wish them and their cooperative the best of luck

In going along with the capitalization plan, the membership is investing in the security of a future milk market. As one dairyman stated. "It's awful nice to know that somebody is going to pick that tankful of milk up every day." He knows he wouldn't have that kind of security with many private handlers Hundreds of dairymen found that out the hard way last Winter and Spring when their dealers simply shut them off when they had more milk than they needed.

Granted, it needs to be said that no dairy cooperative in the Northeast is without some form of problems at the present time. And it's true that some dairymen could possibly get a better deal by shipping their milk to private handlers. But, as was evident earlier this year, what happens when you get the notice that you no longer have a market?

The answer to that question isn't as simple as some would expect or hope.

That's because milk marketing isn't all that simple. Many dairymen learned last Spring and even as recently as yesterday, I'm sure, that they can't just offer their milk anywhere. Somebody has to be willing to take it.

I couldn't resist asking some of the Dairylea members if they had any reservations about supporting the capitalization plan. Yes, some had Had they considered leaving the cooperative? Again, some had. A few did, in fact.

"I stayed with Dairylea because we could not find another market," said one Union County dairy farmer who has 70 milking cows. He added that

(Turn to Page 34)

THE BIBLE SPEAKS

Internat onal Un form Sunday School Lessons

BY LAWRENCE W. ALTHOUSE

LONGEST RACE

Lesson for December 3, 1978

Background Scripture:
Genesis 12:1-9
Isaiah 55; Hebrews 1:1,2;
Luke 4:14-21; 15:4-10.
Devotional Reading:
Isaiah 41:8-10.

In his poem, "The Decision," Theodore Roethke says:

"Running from God's the longest race of all."

Actually, despite our frequent complaints about not being able to find God in our own experience, the hardest thing is not to find God but to keep him from finding us. From our limited perspective, we think of our search for God, but, despite the reality of that search, an even greater reality is God's ceaseless quest for us. Job's cry, "O that I knew where I might find him?" is legitimate, but only a distorted perspective on the total picture in which the seeking God is discovered in his persistent quest for us.

Seek The Lord

Thus, when the Prophet Isaiah says, "Seek the Lord while he may be found, and call upon him while he is near," he is urging the people of Israel, not to go out to find a hiding God, but to turn and be found by the God who is seeking them. It was the seeking God who came to Abraham saying, "Go from your country and your kindred and your father's house to the land that I will show you" (Genesis 12:1). In fact, throughout the whole Old and New Testaments one does not discover anyone who found God because he went searching for him - unless, of course, God was first searching for him.

Even Jesus, although he was long anticipated, was not so much sought for as he was one who went seeking. Thus, in the synagogue in Nazareth, he proclaimed: "The Spirit of the Lord is upon me, because he has annointed me to preach good news to the poor. He has sent me to proclaim release to the captives and recovery of sight to the blind, to set at liberty those who are oppressed, to proclaim the acceptable year of the Lord" (Luke 4:18,19).

The Lost Sheep

When Jesus told one of his artful parables to communicate the nature of God, he painted the picture of a good shepherd who, leaving his flock, goes "after the missing one until he finds it" (Luke 15:4). If we find God it is because he seeks us. As C.S. Lewis put is in his spiritual autobiography,

Surprised By Joy:

Amiable agnostics will talk cheerfully about "man's search for God." To me...they might as well have talked about the mouse's search for the cat.

Even in the great parable of "The Prodigal Son" the repentant son returning home finds his father looking for him even while he is some distance away. The son begins the long journey back, but even before he makes that decision, the father is scanning the horizon It is in that light that Isaiah counsels: "Let him return to the Lord, that he may have mercy on him, and to our God, for he will abundantly pardon" (Isaiah 55:7).

To attempt to run from God is indeed "the longest race of all," until we turn to him to find our Father and be found in him.

NOW IS THE TIME By Max Smith, Lancaster County Agricultural Agent Phone 394-6851

TO PREPARE VEHICLES FOR WINTER

Cars and trucks should get a good checkup before real cold weather arrives. The recent snow storm, with the first hazardous driving conditions of the fall, found too many cars without snow tires, or without good tread. Tire chains are seldom used today by the average driver; however, good snow tires are needed and will make safer driving for everyone. Batteries should be full and in good condition; corroded terminals cause too much trouble on many cars. Anti-freeze in both the radiator and the windshield washer is needed. The muffler and tailpipe will rust out and allow toxic fumes to enter the car, have them checked in addition to the most recent inspection on older cars. Finally, carry a snow shovel, dry sand, and a tow chain or rope. Extra boots and heavy clothing in the car might also be needed in case of getting stranded on the road.

TO IDENTIFY HERD REPLACEMENTS

Both dairy and livestock producers who are keeping young stock for herd replacements, or for sale, should be sure to identify each calf soon after birth. If a calf is worth raising, it is worth proper identity in the herd. In the dairy production programs permanent tags and identification is required. Many kinds of ear tags are available at nominal costs. Producers should use these before there is any chance of lost parentage. Tattoos and branding are other forms of permanent identification. Good herd management suggests good calf records and prompt identification.

TO PROTECT FARM MACHINERY

Winter weather is very hard on farm machinery. As we travel throughout the county, we still see too many pieces of machinery sitting out behind the buildings or still in the fields. This is poor farm management and is costing the owner money. Moisture causes rust and shortens the life of the equipment. Machinery costs are very high and weather protection is one way to reduce the cost of replacing very often. Separate machinery sheds are suggested in order to keep everything from being stored in the main barn. Good care and maintenance is needed to lengthen the life of all farm machinery.

TO INSPECT VENTILATION SYSTEMS

Colder weather may bring more ventilations problems to many dairy and livestock producers. Most buildings are full of livestock at this time of the year. Signs of condensation of water drops on walls or ceilings means that either more insulation, or more ventilation, is needed. When the warm, moisture-laden air of the barn meets a cold surface, condensation will occur. Extra insulation and more ventilation should correct this problem. Dripping walls and ceilings gives poor condition for the health of the herd (and the owner); in addition, it will rot the structure and require replacement materials. Operators are urged to check their buildings as colder weather arrives.

Farm Calendar

Sunday, Dec. 3
Ontelaunee Grange Hall breakfast, 8 a.m. to 1 p.m.
Monday, Dec. 4
York County Holstein board meeting, 8 p.m. at Production Credit Office.
Tuesday, Dec. 5
Red Rose DHIA banquet, Good'n Plenty Restaurant, Smoketown, 11:45 a.m.
Penn's Agri-Women board and committee chairmen meeting, 10 a.m. at the home of Mrs. Ethel Gross, Manchester.
Solanco Young Farmers meeting, 7:30 p.m. at the high school.
Farm equipment dealers' banquet, Good'n Plenty Restaurant, 6:30 p.m.
Wednesday, Dec. 6
Monthly meeting of the Hunterdon County, N.J. Board of Agriculture, at the Extension Center, 8 p.m. Speaker: Earl Tindall, A Look at the Corn and Soybean Market."
Lancaster County Conservation District directors meeting, 7:30 p.m. at the Farm and Home Center.
Thursday, Dec. 7
Adams County annual DHIA awards banquet, Barlow Fire Hall.
Friday, Dec. 8
Pennsylvania Egg Marketing Association, Ladies Night, 7 p.m. at the Treadway Resort Inn.
Saturday, Dec. 9
National Young Farmers Educational Institute Trip, Kansas City, Mo. Departure from Harrisburg at 8:15 a.m. Return Dec. 13, 9:33 p.m.

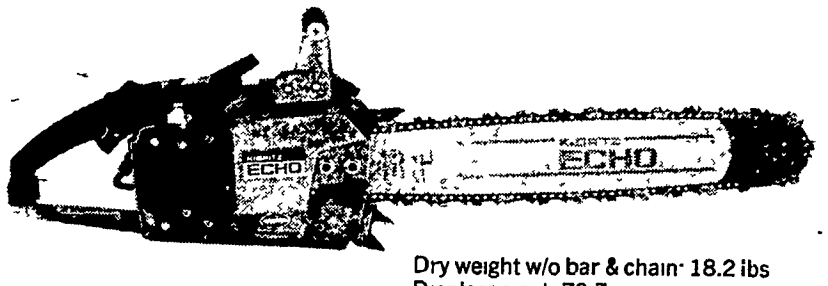
RURAL ROUTE By Tom Armstrong

SALES SPECIALS - ONE DAY ONLY!

SATURDAY, DECEMBER 9, 1978

In Conjunction With Our First Annual Public Auction On Sat., Dec. 9 (See Page 141) We Are Offering The Following Specials:

ECHO CHAIN SAWS



702 EVL

FEATURES
- Big cutting ability
- Choice of bar length
- Precision balanced
- Dependable starting
- Low maintenance
- Highly durable

Dry weight w/o bar & chain: 18.2 lbs
Displacement: 70 7cc

702 EVL WITH 20" BAR AND CHAIN

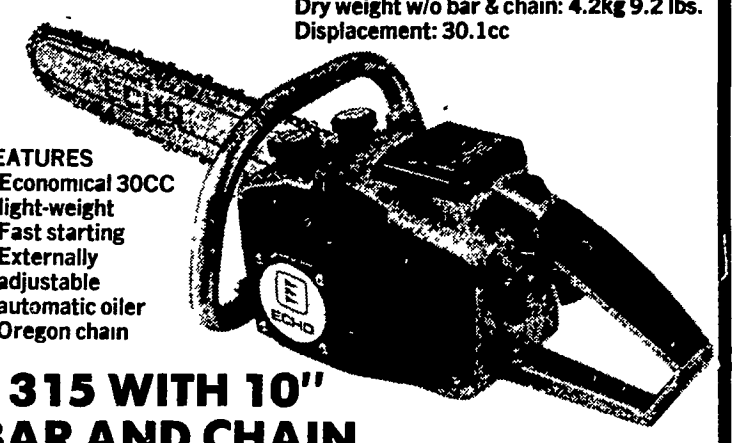
Reg. $369.95
ONE DAY ONLY
SPECIAL $289.95
SAVE $80

►FREE◄ ECHO MODEL 315

To Be Given Away Sat., December 9 At 5 P.M. Need Not Be Present To Win. Register In The Lawn and Garden Department.

CS-315

Dry weight w/o bar & chain: 4.2kg 9.2 lbs.
Displacement: 30.1cc



FEATURES
- Economical 30CC light-weight
- Fast starting
- Externally adjustable automatic oiler
- Oregon chain

315 WITH 10" BAR AND CHAIN

Reg. $129.95
ONE DAY ONLY
SPECIAL $99.95
SAVE $30

OTHER MODELS AVAILABLE:

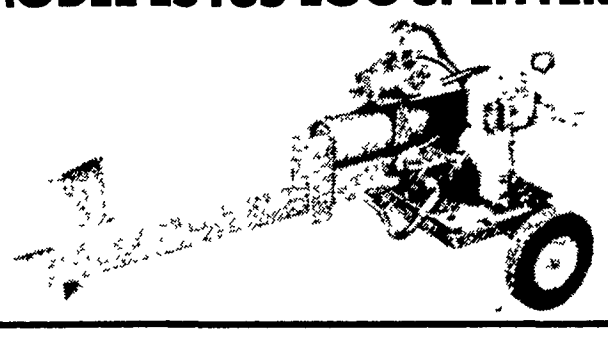
	Regular	ONE DAY ONLY SPECIAL
★ 302 w/14" Bar & Chain	169.95	$144.95
★ 351 VL w/16" Bar & Chain	209.95	$189.95
★ 452 VL w/16" Bar & Chain	254.95	$229.95
★ 500 VL w/16" Bar & Chain	274.95	$264.95

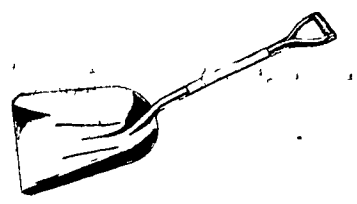
CHAIN SAW AND LOG SPLITTER DEMONSTRATIONS THRU-OUT THE DAY

MIGHTY MAC MODEL LS185 LOG SPLITTER

- FEATURES
- 5 H.P. Briggs and Stratton four cycle engine
- Powerful 4" diameter cylinder delivers 21,991 lbs. of splitting force.
- Accommodates 19" long logs.

Reg. $735.00 SPECIAL $659.95





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No. 14 36" Short Handle Reg. $22.50 ..... $15.95

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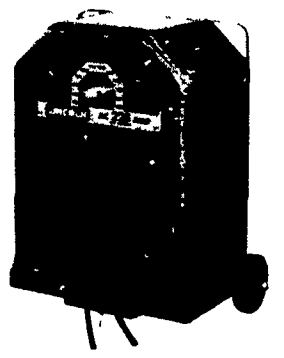
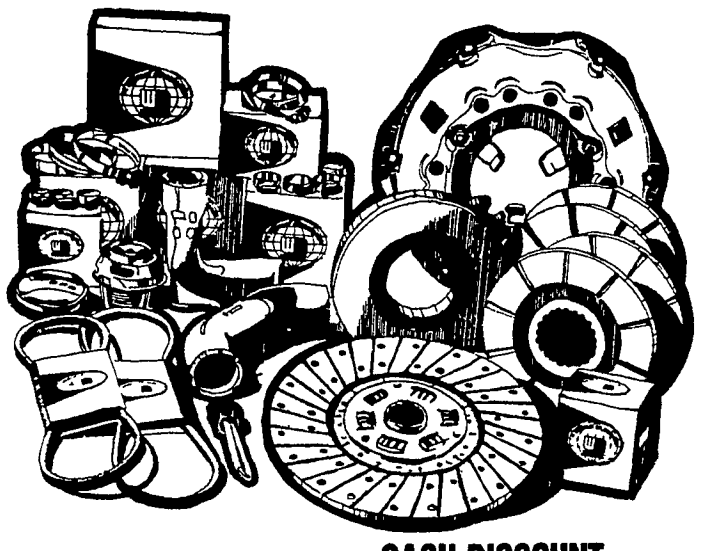
SPECIAL $109.95





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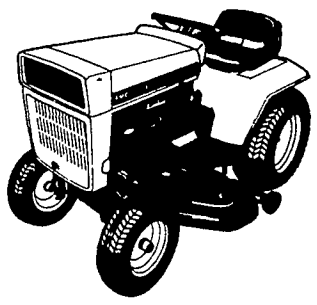
- 42" Snow Blade



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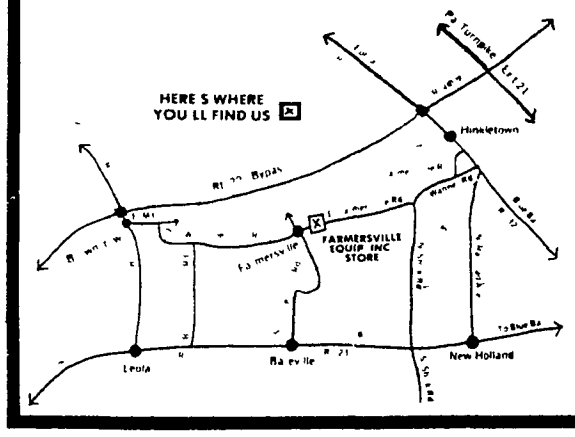

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Livestock market and auction news

Omaha Cattle

November 30, 1978
Weekly Cattle compared with previous week's close

Closing prices on slaughter steers and heifers were 25-50 cents higher. Cows closed 1.00-1.50 higher and bulls were fully steady.

Weather conditions played a major role in the fed cattle market following the Thanksgiving holiday. Hazardous road conditions hampered livestock movement over the weekend, but warm temperatures deteriorated feedlot conditions and encouraged movement of market - ready cattle. Demand continued generally good as most interests came into the period with modest live inventories on hand. Prices advanced sharply on a below normal storm-curtailed Monday supply, but a substantial half of the upturn was lost on an expanded midweek run. The overall finish of the steer and heifer supply was still rather attractive with a liberal percentage choice and a moderate volume choice and prime. However, mud became an increasing problem as many animals carried at least a modest amount of grime and mud. Slaughter steers made up approximately 37 per cent of the week's total and heifers 32 per cent. Cows comprised 10 per cent and feeders 15 per cent.

STEERS: Seven loads choice and prime 3-4 1155-1270 lbs. 56.60-56.75, moderate volume same grade 3-4 1085-1328 lbs. 56.25-56.50 mostly fore part of week. Choice 2-4 1000-1350 lbs. closed 54.75-55.75, two loads 3 with few prime 1211 lbs. 56.00. Mixed good and choice 2-3 975-1375 lbs. 53.75-54.50, load 1450 lb. holsteins 49.00. Good 2-3 48.50-53.50. Few standard and good 2-3 47.00-48.50.

Average of LS-214, detailed quotations, for choice 900-1100 lbs. steers this week 55.38; hoice 1100-1300 lbs. 55.50. Average weight steers first three days 1180 lbs. as compared 1172 lbs. previous week. Average weight heifers first three days 1017 lbs. as compared 1014 lbs. previous week.

HEIFERS: Moderate volume Choice and Prime 3-4 953-1070 lbs. 54.50-54.75 forepart of week. At midweek four loads choice and prime 3-4 975-1025 lbs. 53.85-54.00. Choice 2-4 900-1075 lbs. closed 52.25-53.50, occasionally 53.75. Mixed good and choice 2-3 850-1000 lbs. 51.50-52.50. Good 2-3 48.00-51.50.

COWS: Utility and commercial 2-4 40.0t-42.00, few 42.50-43.00. Cutter 38.50-40.00. Canner and low-utility 37.00-38.50.

BULLS: 1-2 1400-2000 lbs. 45.00-50.00, individual 1 51.00-52.00.

Pa. Auction Summary

Pa. Auction Summary of 10 Livestock Auction Market Reports

December 1, 1978

Compared to 3733 last week and 6128 a year-ago.

CATTLE 3774. Compared with last week's market, slaughter steers mostly 25 to 75 cents higher. Sl. heifers steady to strong. Sl. cows uneven, extremes $1.00 higher to 1.00 lower. Sl. bulls 25 cents to $1.00 lower. High Choice & Prime YG 3-4 sl. steers 56.50-58.60. Choice YG 2-4 54.50-58.10, few 59.00. Good 51.00-55.00 few Standard 46.00-51.00; few Choice sl. heifers 50.00-54.00; Good 47.50-52.00; Standard 42.00-48.50, Cutters 39.00-42.50; Canner & L. Cutter 35.00-39.50, Shells down to 32.50, few Choice sl. bullocks 54.50-57.00, Good 50.25-55.00, few Standard 46.00-52.00, Yield Grade #1 1000-2300 lbs. 47.75-53.85, few Yield Grade #2, 950-1600 lbs. 46.75-50.00.

FEEDER CATTLE: Good & Choice 300-750 lbs. steers 54.25-64.25, Good & Choice 300-700 lbs. heifers 45.00-58.00.

CALVES 3170. Compared to 2663 last week and 4629 a year ago. Vealers grading good & choice $1.00 to $3.00 higher. Few Prime vealers 93.00-100.00, Choice 82.00-95.00, Standard to Good steady to $3.00 lower. Good 71.00-85.00; Standard & Good 90-120 lbs. 60.00-75.00; 65-90 lbs. 50.00-69.00; Utility 50-100 lbs. 40.00-60.00.

FARM CALVES: Hol. Bulls 90-120 lbs. 69.00-95.00; Hol. Heifers 90-130 lbs. 80.00-128.00.

HOGS 4274. Compared to 5884 last week and 5827 a year ago. Barrows and gilts $1.00 to 2.00 higher; US No. 1-2 200-245 lbs. barrows & gilts 51.00-52.50, few 53.50, No. 1-3 200-255 lbs. 49.00-51.75; No. 2-3 190-270 lbs. 48.00-51.00, few No. 1-3 140-190 lbs. 43.00-49.00; SOWS: Steady to $1.00 lower. US No. 1-3 300-550 lbs. sows 40.00-45.00, No. 2-3 300-650 lbs. 36.25-42.00. BOARS: 32.00-38.00.

FEEDER PIGS 777. Compared to 1247 last week and 921 a year ago. Steady to $3.00 higher. US No. 1-3 20-35 lbs. feeder pigs 18.00-38.00 per head, No. 1-3 35-50 lbs. 33.00-48.00, No. 1-3 50-75 lbs. 42.50-49.00.

GRADED FEEDER PIGS 4691. ALL SALES CWT. Compared with 3455 head last week, and 2672 head a year ago. Feeder pigs steady to $3.00 higher. US No. 1-2 25-40 lbs. 104.00-127.00, few 137.00; 40-55 lbs. 97.00-116.00, 55-65 lbs. 92.00-106.00; US No. 1-2 65-80 lbs. 83.00-97.00; US No. 2-3 25-40 lbs. 108.00-115.00, 40-50 lbs. 93.00-100.00; US No.3 30-45 lbs. 84.00-101.00; Utility 35-55 lbs. 72.00-96.00.

SHEEP 268. Compared to 453 last week and 309 a year ago. Wooled sl. lambs $2.00-3.00 higher. Choice 65-115 lbs. 58.00-66.00, Good 50-110 lbs. 52.00-59.00; Slaughter ewes 12.00-25.00.

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To us, agriculture is still the backbone of America.

At National Central Bank one of our primary objectives is to serve, and help preserve, the family farm.

We still believe that agriculture is the backbone of America, and the family farm is the cornerstone of agriculture in our area.

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With the value of farm production in our area increasing every year, the need for capital continues to rise along with it. We are here, and will continue to be here, to help you meet that need.

When we work together, through a relationship of mutual trust, we can all continue to move ahead. We can continue to keep agriculture strong.

Contact your local office for complete details on National Central Agri-Finance Programs.

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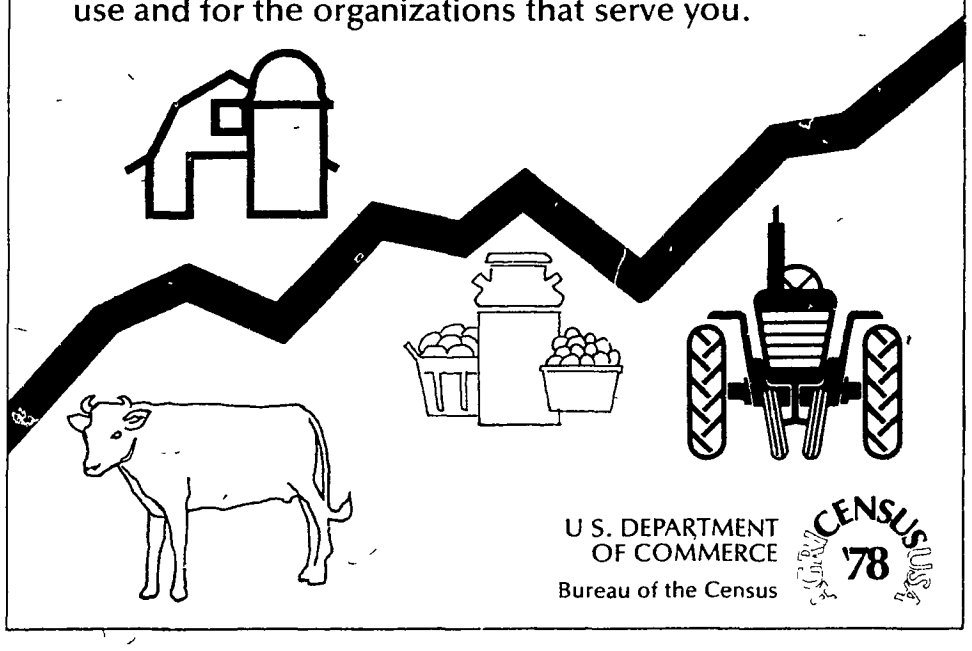
Help Yourself And Our Nation's Agriculture

New facts are needed about acres of farmland, numbers of cattle, tons of fertilizer, bushels of corn, and many other subjects. They are of vital importance to decision makers—on farms, in industry and in government.

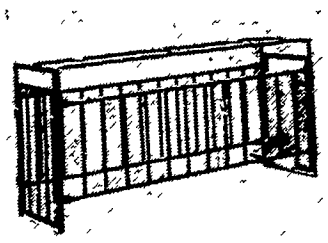
The U.S. Bureau of the Census relies on your cooperation to take the 1978 Census of Agriculture. It will provide new benchmark data showing the trends of America's farms and ranches.

Data for 1978 are requested as early in 1979 as possible. Your cooperation will improve the speed and accuracy with which new totals are available for your use and for the organizations that serve you.



U S. DEPARTMENT OF COMMERCE
Bureau of the Census
CENSUS '78

WHAT'S NEW



GESTATION STALL

Star Agri Products has introduced a new Agstar Gestation Stall, according to Floyd Carter, marketing manager.

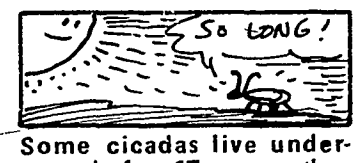
The new Gestation Stall, Agstar Model GS-100, is designed to help prevent pregnant sows from fighting and the tension that goes with it. It also is designed to provide better feed regulation and there fore better weight control and better feed regulation and therfore better weight control and better litter size that this brings. "Improved labor efficiency and overall sow management, including ease of flushing and vaccinating, are other by-products offered by a high-quality, well-designed gestation stall such as the new Agstar model," said Carter. The new GS-100 is made so that the sow can be loaded from the rear of the stall and unloaded from the front, for ease of use.

Gestation stalls are usually placed in rows. Thus, each GS-100 stall comes with one side assembly, and the next stall forms the other side.

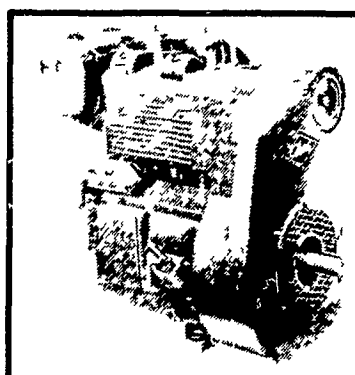
Available is a full line of stall acessories, including a new design sow feeder, the Model FS-705. The new feeder comes with feed flow adjustment. The FS-705 Feeder can also be used in a variety of sow feeding situations, according to Carter. This same feeder is now being used in the Agstar farrowing stall, Carter said.

The new Agstar Gestation Stall accessories include an available bracket to mount a nipple waterer in the stall.

For more inforamtion, contact Star Agri Products, P.O. Box 115, Goshen, Ind. 46526.



Some cicadas live underground for 17 years, then emerge for a few weeks of sunshine before dying.



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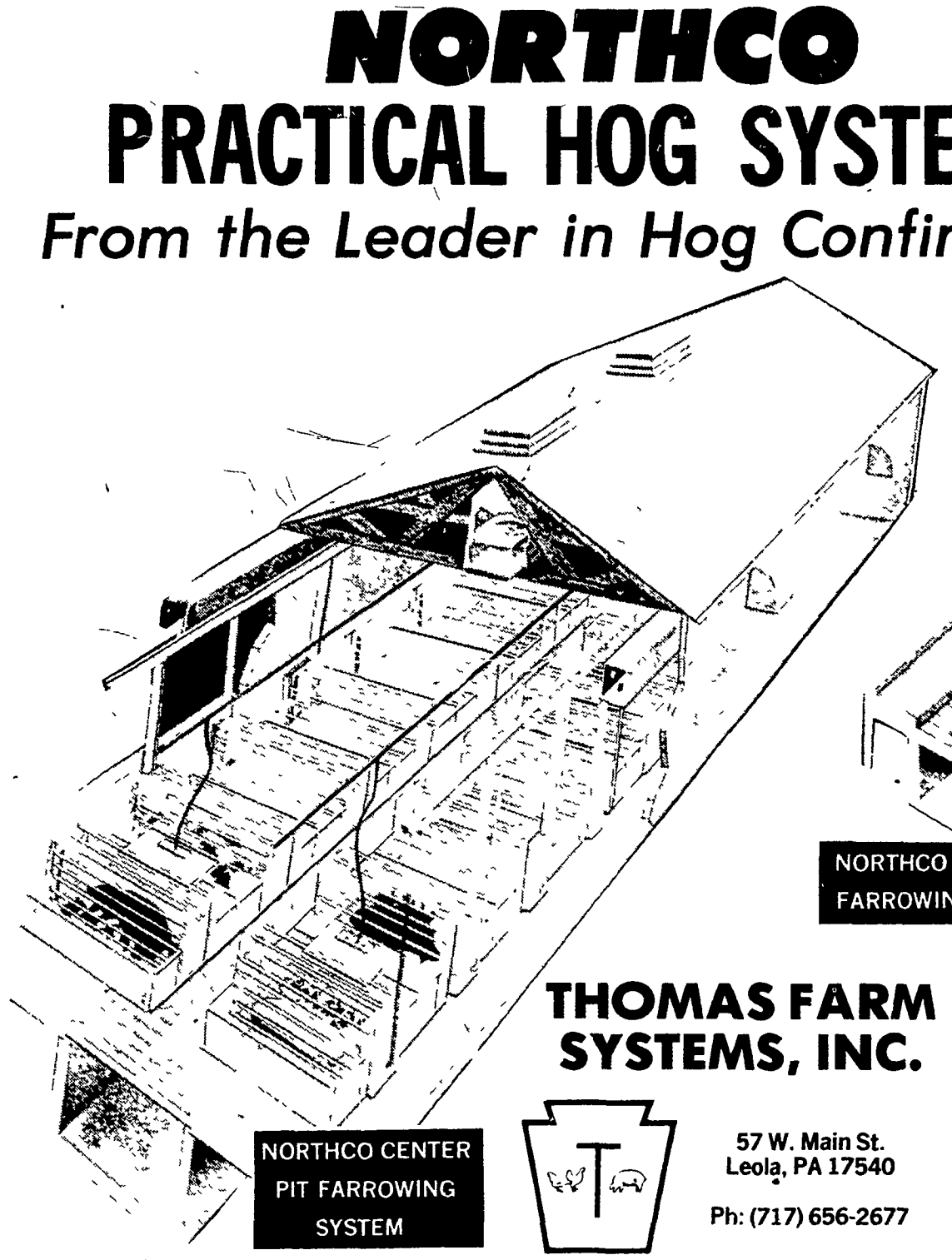
PRACTICAL HOG SYSTEMS
From the Leader in Hog Confinement



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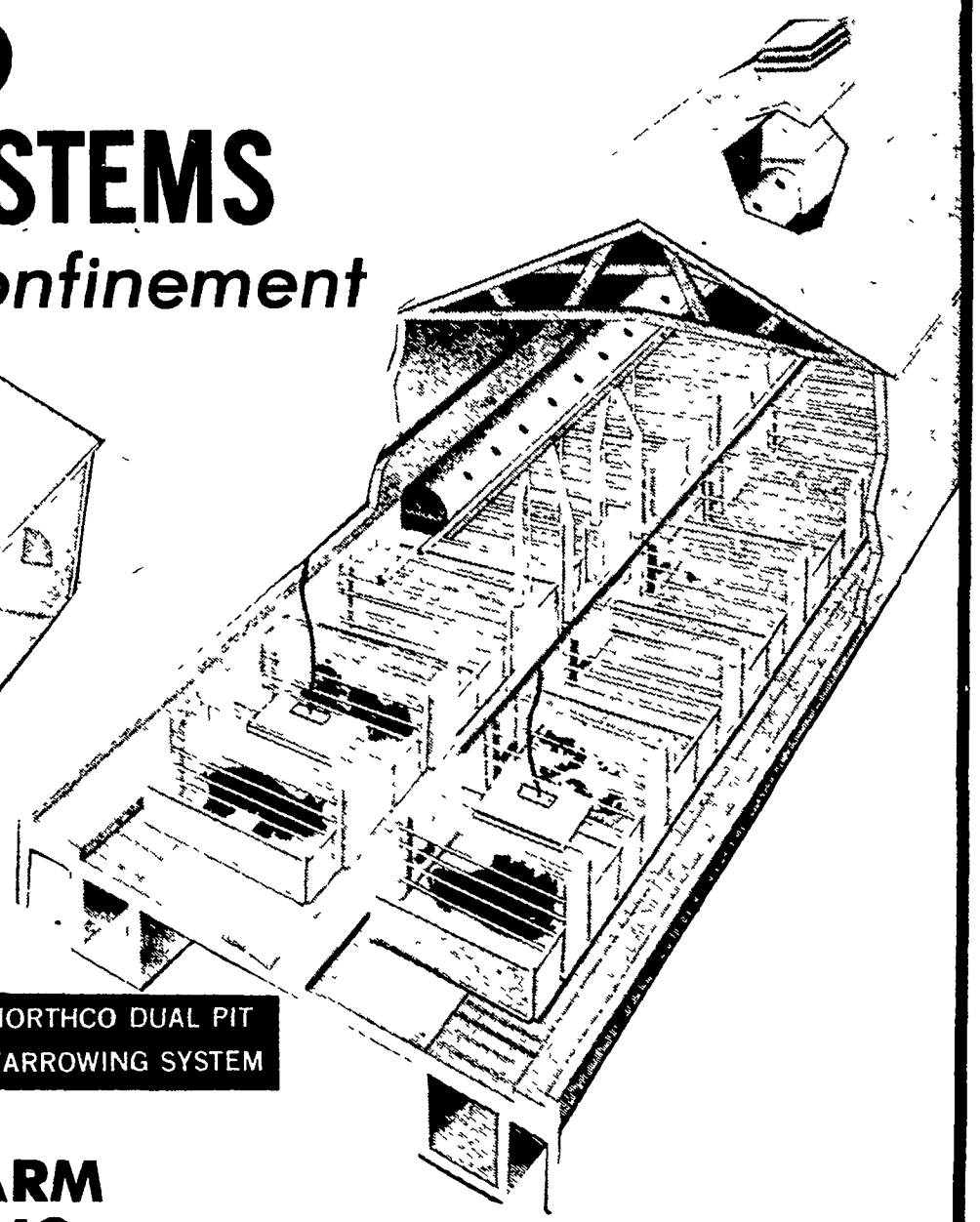

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Md. livestock judges home again

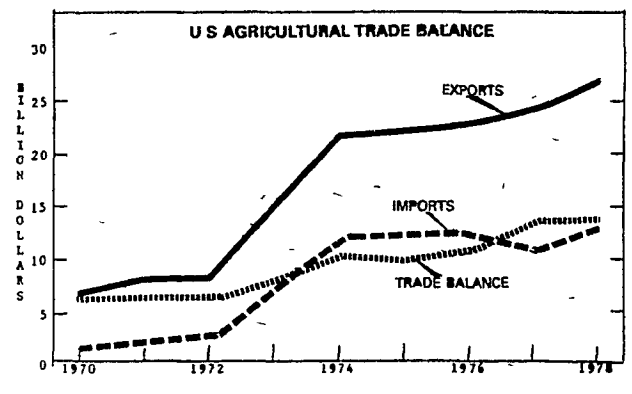
Members of Maryland's 4-H livestock judging team are home again after having competed in several regional and national contests. Among the competitors is H. Mitchell Day, 17, of Marriottsville, third from right, who represented his state this week as 4-H agricultural program winner at the 57th annual National 4-H Congress in Chicago. Mitchell was also honored recently by the Pennsylvania Co-op Swine Producers Association for being high individual in junior swine judging during the Keystone International Livestock Exposition. Other honors for the team include a fourth place over-all at the Keystone International and a 10th place in a 34-state field at the North American Livestock Exposition. Team members are, left to right: L. Martin Hamilton of Cooksville, assistant coach; Lynne Janney, 16, of Bloom; Ned Sayre, 17, of Churchville; H.M. ("Mickey") Day; Gary Ruby, 16, of Hampstead; and William A. Curry of Beltsville, coach. Curry is an Extension livestock specialist at the University of Maryland in College Park, and Hamilton is a 4-H and youth agent in Howard County.

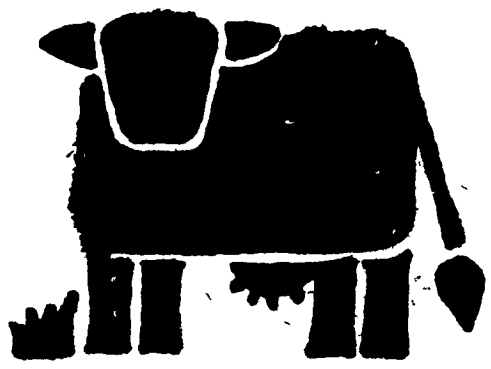
Ag exports up again in 1978

WASHINGTON, D.C. – In the fiscal year of 1978, (October 1977 to September 1978) U.S. agricultural exports now appear likely to total around $26.6 billion, a tenth above the record value of the year 1977. The export tonnage of major bulk commodities will be up about 15 per cent, according to a report release by the USDA.

Although prices for many commodities have strengthened during the year, the export price index for fiscal year 1978 is estimated to be six per cent below 1977.

Last year, U.S. agricultural exports required the output of 107 million acres, up five million from 1976 and equivalent to 31 per cent of total U.S. harvested acreage. Food grains, chiefly wheat, accounted for 37 per cent of the export acres; oil crops accounted for 30 per cent; feed grains, 24 per cent; cotton, five per cent; and all other crops, four per cent.





Fisher appointed to Agronomy post

SOUDERTON – Montgomery-Bucks Farm Bureau Cooperative Association, Souderton, has announced the appointment of Gery J. Fisher to the position of Agronomy Department Manager. He will be in charge of purchasing field seeds, agricultural chemicals and all fertilizer ingredients. He will be responsible for the overall operation of the liquid and dry fertilizer facilities.

Fisher is a native of Oley, son of Mr. and Mrs. Frank Fisher. He is a graduate of Delaware Valley College and holds a B.S. in horticulture. He is the past Berks County democratic committee chairman. Prior to this appointment Fisher was in charge of purchasing ag chemicals for all of Montgomery-Bucks Farm Bureau stores.

Montgomery-Bucks Farm Bureau, a feed, fertilizer and farm supply co-op serves farmers in Bucks, Montgomery, Lehigh and Berks Counties.

Gery J. Fisher

have a nice weekend...

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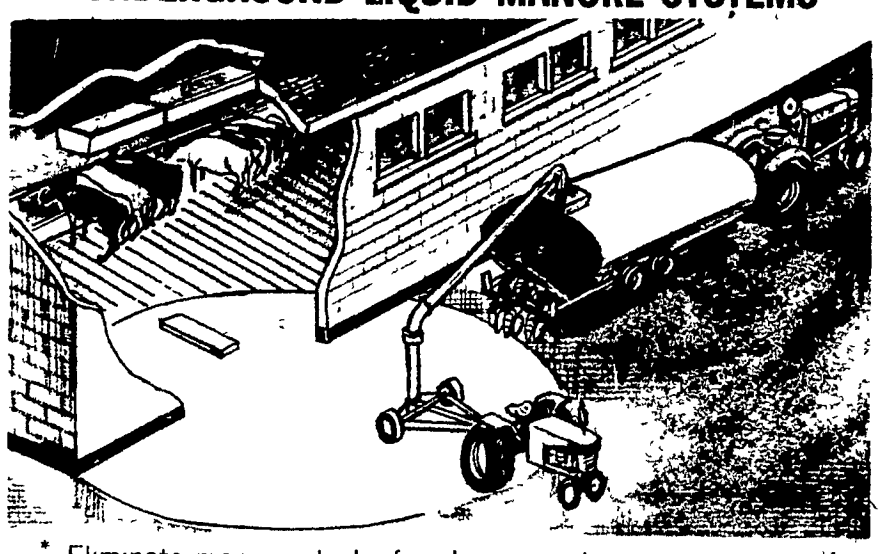

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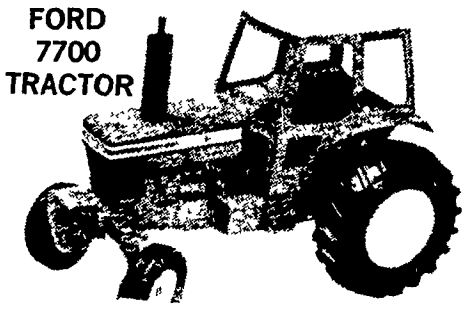

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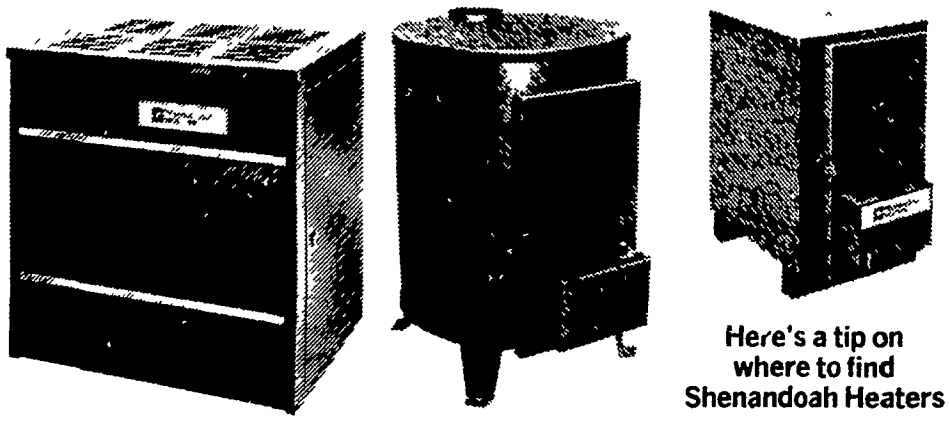

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Spotlighting After Midnight Unlawful

The Game Commission reminds all Pennsylvanians that the practice of spotlighting after midnight is unlawful.

Although the law has been in effect for more than ten years, some persons apparently are still not aware of the restriction, or perhaps they simply forget to check their watches.

Spotlighting of deer at night is an activity in which many persons, sportsmen and sportswomen as well as non-hunters, engage, especially during the fall months. It is an especially pleasurable pastime for parents who want their youngsters to see and enjoy wildlife, and for hunters trying to locate a big buck before the opening of the season.

But all are reminded that while the practice is permissible up until midnight, it is illegal to do so between midnight and sunrise.

It is also illegal to spotlight big game with a firearm or bow and arrow in the vehicle at any time.

In recent years there has been increasing criticism from rural residents about spotlights being used by unthinking persons around buildings. Casting the rays of a strong light onto and into buildings stirs up livestock, dogs, etc. It also distrubs the sleep or rest of rural residents, who are demanding that spotlighters "mind their manners" or face further curb on their activities.

Some spotlights hit light-sensitive tripping devices on rural lights that shine at night, turning them off.

Unpleasant situations can be avoided simply by not spotlighting near buildings.

Junior award winners from the Loganville Community 4-H Club were: in the front, from the left, Cathy Bricker, Patty Bupp, and Tanya Brenneman; in the rear are Sheri Bupp, Rochelle Diehl, Karrie Brenneman, and Andy Smith.

Several Loganville members were awarded outstanding recognition and senior project awards. From the left, in the front, are Melissa Bupp, Laura Stabley, and Troy Goodling, and in the rear are Dale Doll, Rita Loughran, Linda Brown, and Beckie Brenneman.

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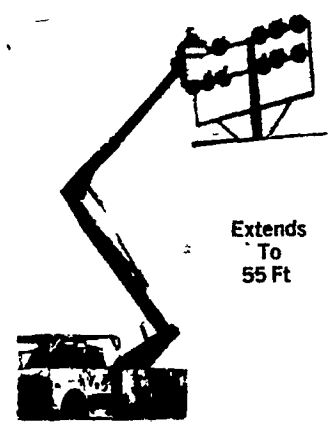

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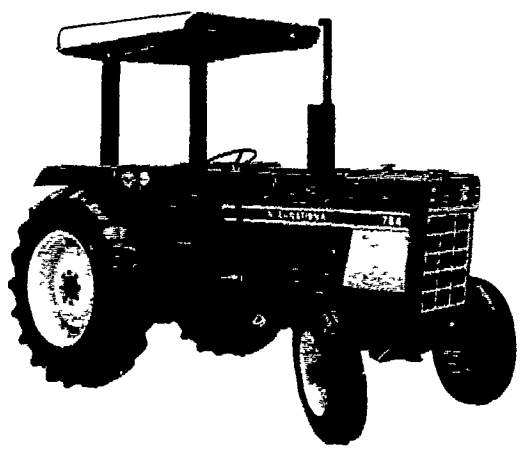

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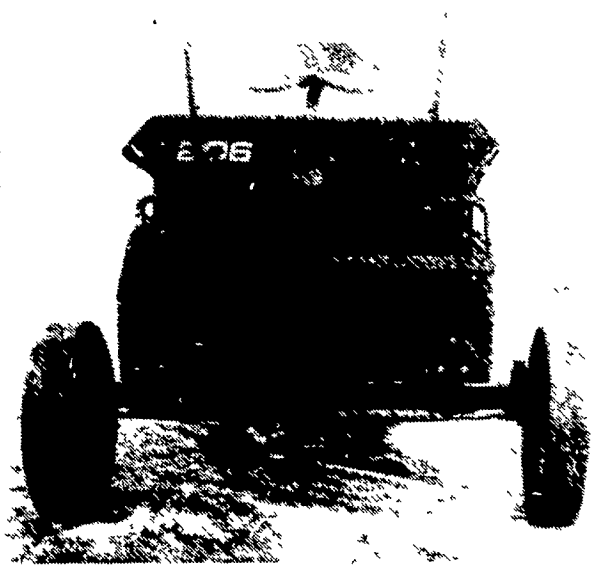

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Plant lovers' corner

FLEMINGTON, N.J. - "Why did my chrysanthemums bloom so late?" ask many home gardeners, and the best answer is that they are the wrong varieties, according to experts.

Some excellent types that are grown as potted plants and cut flowers in greenhouses just aren't satisfactory for outdoor planting.

Many take as long as 12 weeks from bud to bloom. These plants normally flower the first week in December, which is just right in the greenhouse but entirely too late for garden plants.

The beautiful Princess Ann varieties, for example, are sold as potted plants and require 10 weeks from the time buds form until bloom. They do not flower until the second week in November and are not satisfactory as garden chrysanthemums.

Plants that need only six to eight weeks from the time buds form to flowering make the best garden varieties. These plants come into bloom between mid-September and mid-October.

Varieties can be selected from catalogs that list the blooming dates. Most catalogs listing home garden varieties do not include those greenhouse types which are not suitable for the home garden.

In the Spring, many florists use lighting to bring garden chrysanthemums into flower as potted plants. These can be planted in a garden and will flower a second time in the Fall.

Last minute gift ideas told

WEST CHESTER – Do you have some empty milk cartons, string, yarn, bricks, pine cones, tin cans? You have the ingredients for some interesting recyclables.

The gift giving season is close at hand the Chester County Extension service is offering a workshop "Making Gifts on a Budget." The program will be held at two locations from 9:30 - 11 a.m., on Thursday, December 14, at the Extension office, 235 W. Market St., West Chester and Friday, December 15, at the New Garden Township Building, Rt. 41 (2 miles south of Avondale and just north of the intersection of Neward Road and Route 41. This is a free workshop but pre-registration is necessary by Monday, December 11. Call or write the Extension Office, 235 Weat Market Street, West Chester, 215-696-3500.

Recent elections may help farmers

HARRISBURG — According to Lancaster County Representative Noah Wenger, 99th District, the results of the recent general election will have positive effects on agricuture. He predicts increased legislative activity on agricultural activities such as the preservation of farmland and assistance to young farmers.

Chester Heim, public affairs manager for the Pennsylvania Farmers' Association, says that the new House and Senate members at the state capital are considerate towards agriculture and that Governor-elect Richard Thornburgh indicates he will consult agricultural leaders.

Noah Wenger

Chet Heim

Richard Thornburgh

In all, a positive effect for farmers is foreseen.

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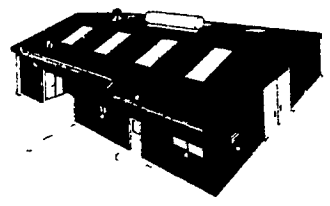

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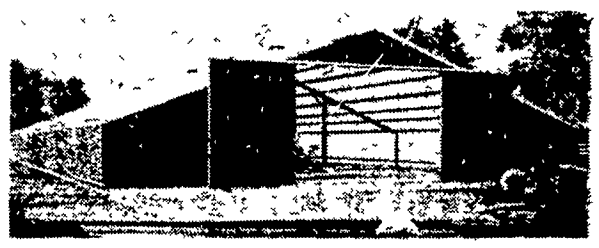

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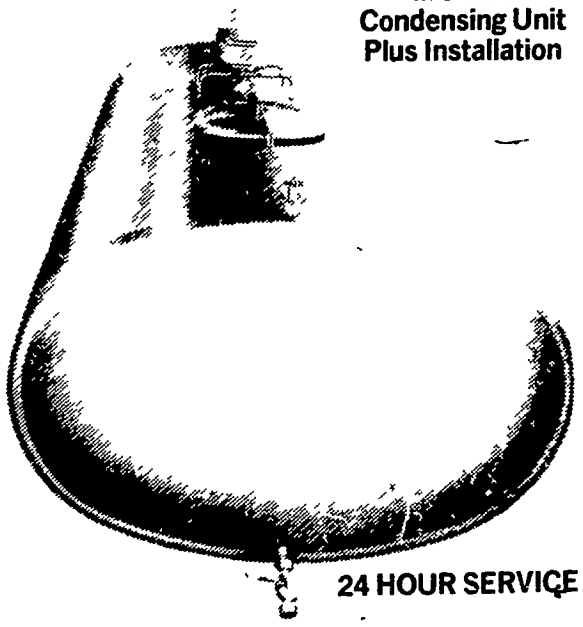

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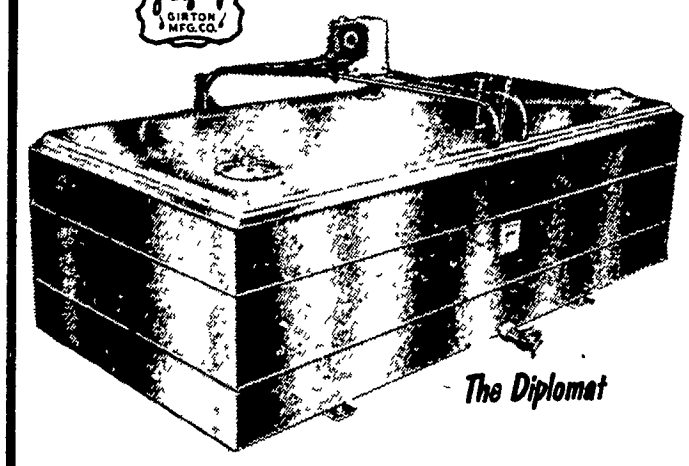

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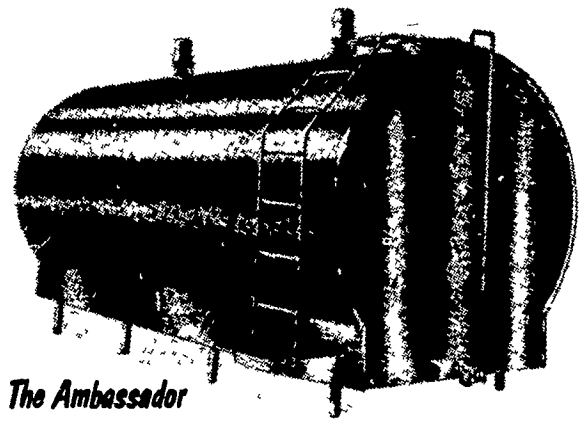

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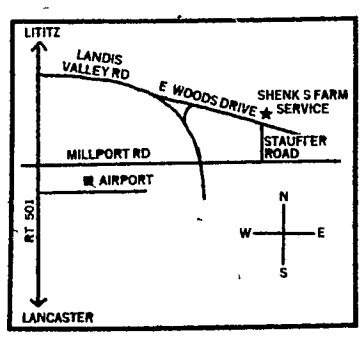

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Funk named chairman of group

(Continued from Page 1)

requirements and financing arrangements and a deed restrictions program.

The commissioners will hold a final meeting on December 28 concerning the county's 1979 budget, and the task force could ask to be included in that budget.

County planning director John Ahlfeld noted that one of the basic tools for planning would be the county's comprehensive plan, adopted three years ago by the commissioners.

He noted that there was community input before the comprehensive plan, known as Directions, was adopted, and that agriculture preservation was the topic that received the greatest amount of interest from the public.

It was noted that maps from Directions show that 56 per cent of the county's soils are Class I and II soils, and the plan suggests that a

Amos Funk

significant amount of land be set aside for use as farmland.

He also stated that the comprehensive plan allows plenty of additional room for development.

Ahlfeld related that although many of the county's 60 municipalities have adopted agricultural districts through zoning, only six of them have strong codes that protect farming.

He also noted that two state laws provide some means for ag preservation. The one is Act 515, which was adapted in 1966, and enables the county to "covenant with landowners for the preservation of their land in farm, water, supply, or other open space uses." Those agreements are limited to ten years.

The other is Act 442, adopted in 1968, which allows the county "to acquire any interest in real property...for the following open space uses: watersheds, forest land, protection of recreation land, scenic areas, historic, geologic, or botanic inerest sites, open space between communities, and farmland. It also permits the fee - simple acquisition of land for the purpose of resale subject to restrictive covenants or easements limiting its use for any of the above purposes."

During Tuesday's meeting, the task force members briefly discussed some of the elements of a deed restrictions program but did not make any firm suggestions.

Kriese elected to N.Y.H.A.

ITHACA, N.Y. - Theodore Kriese of Liverpool was elected president of the New York Hereford Association at the annual meeting November 24 at Ithaca.

Kriese succeeds Robert Sullivan of Dundee who remains on the Board of Directors.

Other officers elected were J. Henry Elzenga of West Henrietta, vice president; David Cole of New Hampton, secretary; and Clara Luteyn of Marion, treasurer.

Elzenga, Cole, Mrs. Luteyn and Dr. A. Byron Collins of Canisteo were also elected to three year terms as directors.

Announcement was made of the Association Summer Field Day July 14 at Stonen Farm, Arkport, N.Y. The New York Junior Hereford Association will hold its second annual Heifer Show July 13 at Stonen Farm.

Food selection course offered

UNIVERSITY PARK – Food items aren't declining in price and shoppers are faced with the dilemma of how to provide nutritious meals during the holidays and economize at the same time. This task is not impossible but it takes early planning and know-how.

"Food-Selection and Preparation," a Penn State correspondence course offers, not only menu plans and recipes but it also offers basic food facts to use and adapt in the preparation of appetizing, nutritious, and economical meals.

This course emphasizes nutrition first; it also stresses serving foods with an appetizing appearance (different color, shapes, textures); contrasting flavors; simple easy-to-prepare meals; and foods that can be served inexpensively.

Order this course by writing to FOOD SELECTION, Box 5000, University Park, Pa. 16802. The cost is $6. Checks should be made payable to Penn State.

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Bacteria may boost crop yields

BELTSVILLE, Md. — Some farmers' best friends are bacteria - a type called rhizobia. Agricultural researchers want to get better acquainted with the one-celled microbes, and introduce them to more farmers.

In fact, a current surge of interest in rhizobia by scientists around the world has prompted officials of the U.S. Department of Agriculture (USDA) to establish a special rhizobia project at the Beltsville Agricultural Research Center in Maryland. Scientists there will collect and study strains of rhizobia and similar "friends", and distribute them to other USDA and non-USDA labs where rhizobia investigations are underway.

Just what is so friendly about these bacteria?

"Rhizobia have the natural ability to provide crops with nitrogen, an element that plants need for growth and to make proteins," explains USDA microbiologist Deane F. Weber who will supervise the new USDA Rhizobium Collection and Study Project at Beltsville. "In their own way, rhizobia fertilize certain crops. This happens without applications of commercial nitrogen fertilizers, which require enormous amounts of natural gas to manufacture. Farmers simply coat seeds with rhizobia before planting to increase harvests."

Scientists discovered the plant-rhizobia association some 90 years ago. Since then, they have found the soybeans, alfalfa, clover and other members of the protein-rich legume family of plants could each be inoculated with a specific strain of rhizobia to increase yields. The bacteria work in small root nodules, combining nitrogen atoms from air in the soil and hydrogen atoms from sugars in plant tissues to make ammonia, the basic ingredient of nitrogen fertilizer, whether natural or manufactured by industrial means.

The natural process is called "biological nitrogen fixation". It often leaves fields more fertile after harvest than before the legume crop was planted. Before widespread use of artificial nitrogen fertilizer in developed countries, the traditional way of adding nitrogen to the soil for succeeding crops was to use legume crops, such as soybeans or clover, in crop rotations.

Since 1912, scientists at USDA's Beltsville Agricultural Reserach Center have been studying nitrogen fixation and adding superior nitrogen-fixing bacteria to what is now this country's largest public collection of rhizobia and other (less significant) nitrogen-fixing microorganisms. Each year, Weber sends hundreds of rhizobia cultures to scientists around the world. Laboratories in 53 foreign countries have so far received rhizobia from the Beltsville collection.

With financial support for the Rhizobium Project from USDA and the State Department's Agency for International Development, Weber and a group Beltsville colleagues trained in related fields of "rhizobiology" will expand their efforts to collect, characterize, test and distribute strains of rhizobia that are effective on different types of legume plants. Of an estimated 13,000 species of legumes, only 50 are domesticated. Of the possible legume-rhizobia associations, Weber estimates that sceintists have identified only 10 per cent that form nodules and benefit the plant.

The expanded collecting and testing, however, "will not be a numbers game," says Weber. "Nor are we interested in keeping this valuable resource as a museum piece. It is a working collection. The future will likely bring a high demand for bacterial fixation of nitrogen for crops, and there is great need for scientists to know what Rhizobium genes or characteristics are available."

Current research being conducted in many of the world's agricultural research labs includes identifying genes in rhizobia that control nitrogen fixation in order to develop bacteria that work harder and more efficiently. Scientists are also trying to stimulate plants to contribute more energy to rhizobia so that the bacteria will fix more nitrogen. Other scientists are attempting to extend nitrogen-fixing associations to nonlegume crops, such as corn, wheat and other cereals and grasses.

While such "pioneering" research continues, applied research devoted to improving rhizobia inoculation techniques has been largely ignored, according to Weber. "When commercial fertilizer became cheap in the late 1950's," he says, "research on rhizobia inoculation and the training of rhizobia technicians sharply declined, and have never recovered. Now, just when the need is perhaps greatest, there is a troubling shortage of qualified scientists and technicians. The USDA Rhizobium Project should help to fill this void."

From countries where knowledge of rhizobia is in short supply, research labs will send technicians to Beltsville to learn how to isolate, purify and culture rhizobia suited to particular growing conditions, and how to make and apply rhizobia inoculum to seed. In addition, Weber and other members of Beltsville's Cell Culture and Nitrogen Fixation Laboratory will provide guidance and advice to rhizobia workers in less developed countries so that they can start their own rhizobia training programs.

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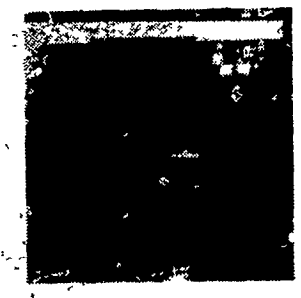

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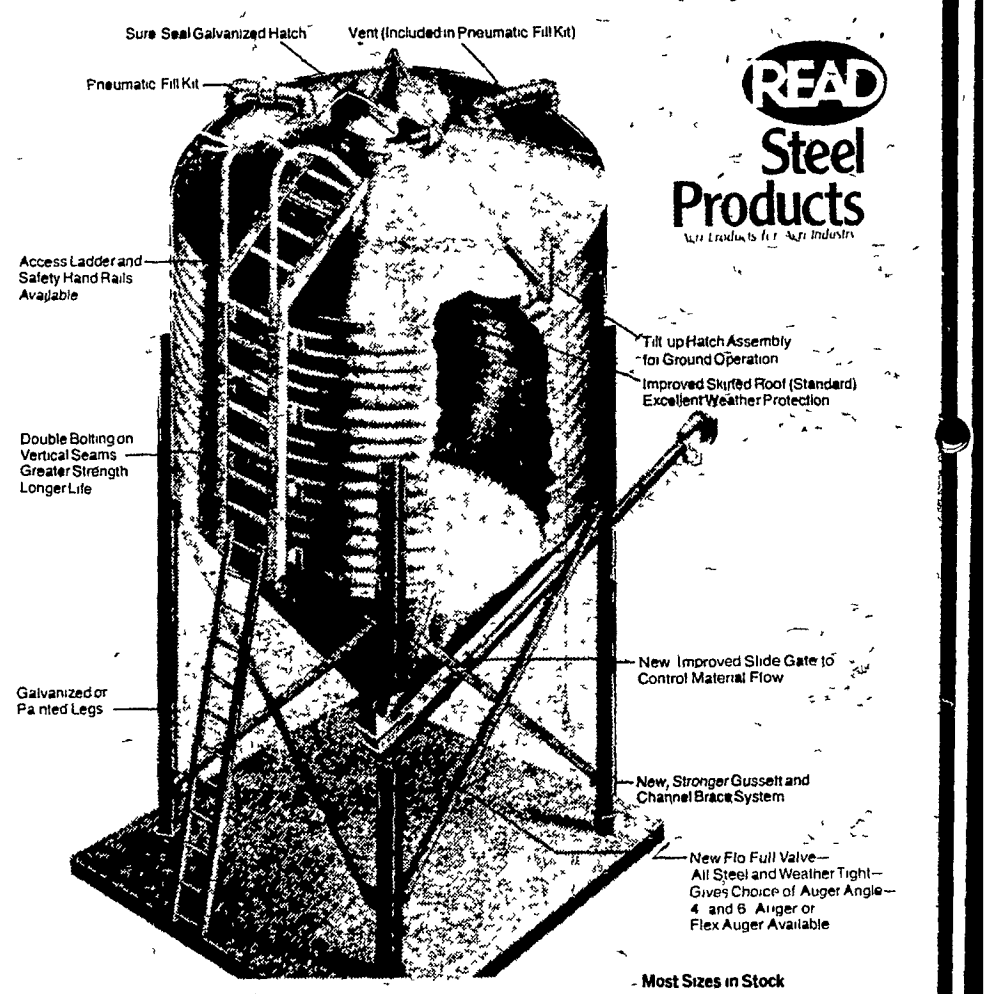
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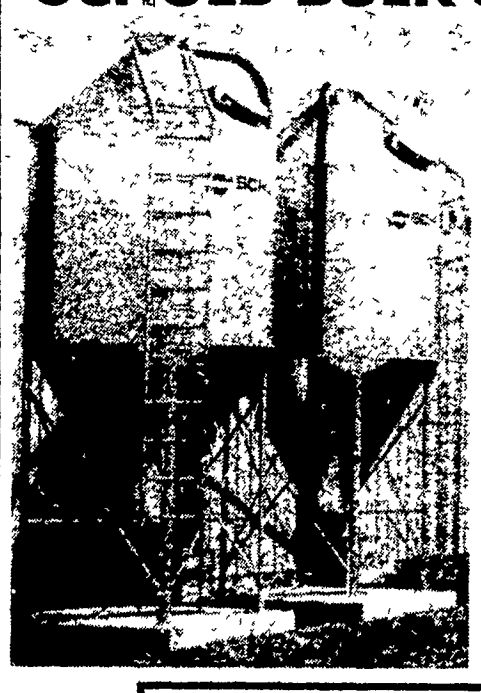

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FFA member chosen

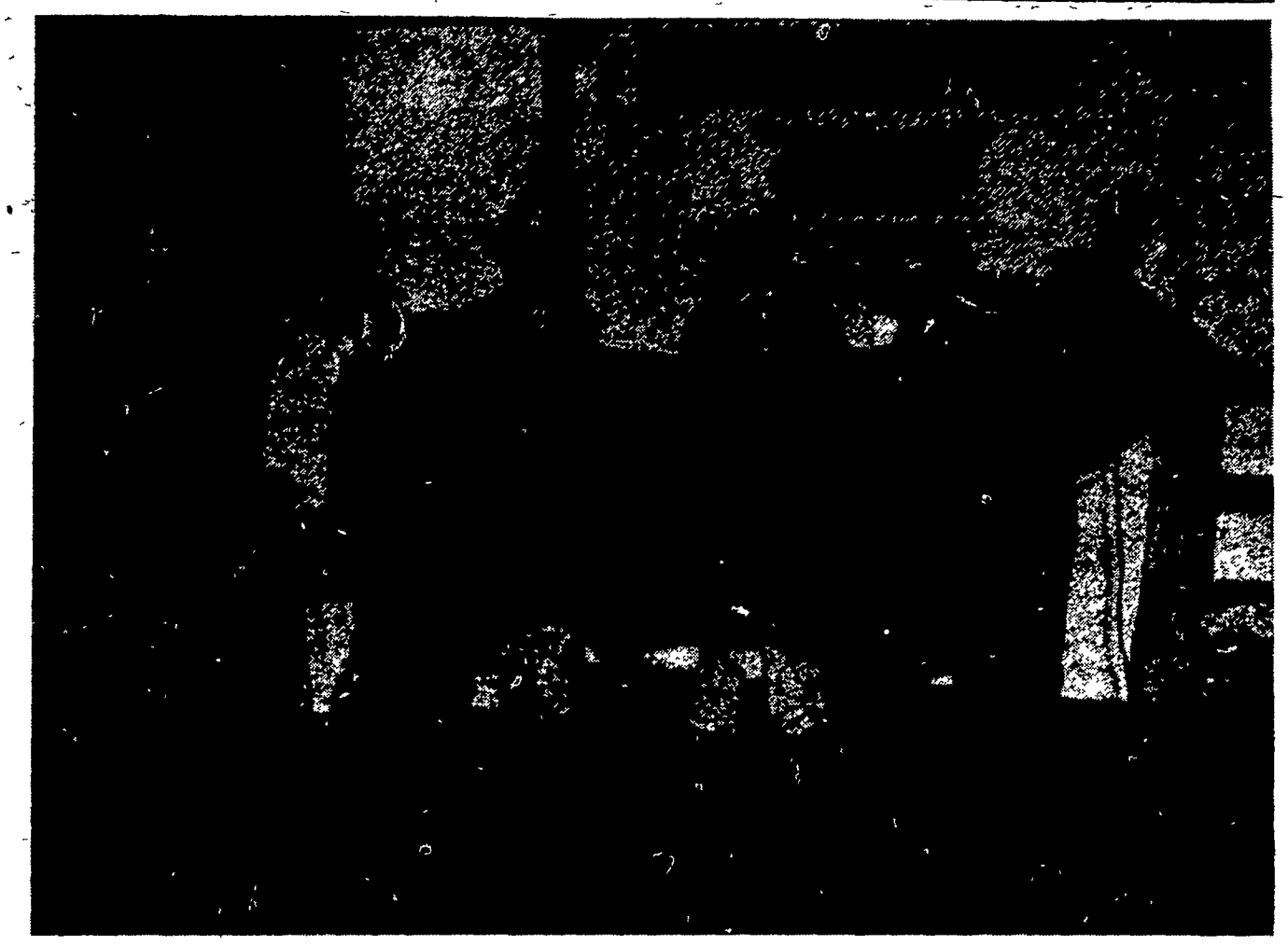
MILLERSVILLE - Member of the month is a new award given to an outstanding FFA member in the Manor Chapter.

Steve McMichael was chosen as member of the month for November. He is the son of Mr. & Mrs. John McMichael, and has been active in the FFA for four years.

He has served his chapter as corresponding secretary and in parliamentary.

Steve has shown hogs at the Lancaster hog Show, Lampeter Fair, and the State Farm Show. He also has shown steers at the Lampeter Fair. He attended the National Convention at Kansas City with ten other FFA members, and won a bronze in swine showmanship at the National Convention.

Steve McMichael



Lauxmont Farms, Wrightsville, R1 , in national competition on November 16, exhibited the grand champion percentage female, "Lauxmont Ms. Lombard DO26", sired by Lombard, at the National Chianina Show held in Louisville, Kentucky. This is the second show Lauxmont Farms has competed in this year resulting in two grand championships for the year. They exhibited the grand champion female at the Canadian National earlier this year. Pictured from left to right are: Dr. Jack Phillips, executive secretary of the American Chianina Association; the Indiana Chianina Queen; Dr. Gary Minish, V.P.I., Blacksburg, Virginia; Ernest H. Martinez, manager of Lauxmont Farms; and Ken Smith, herdsman.

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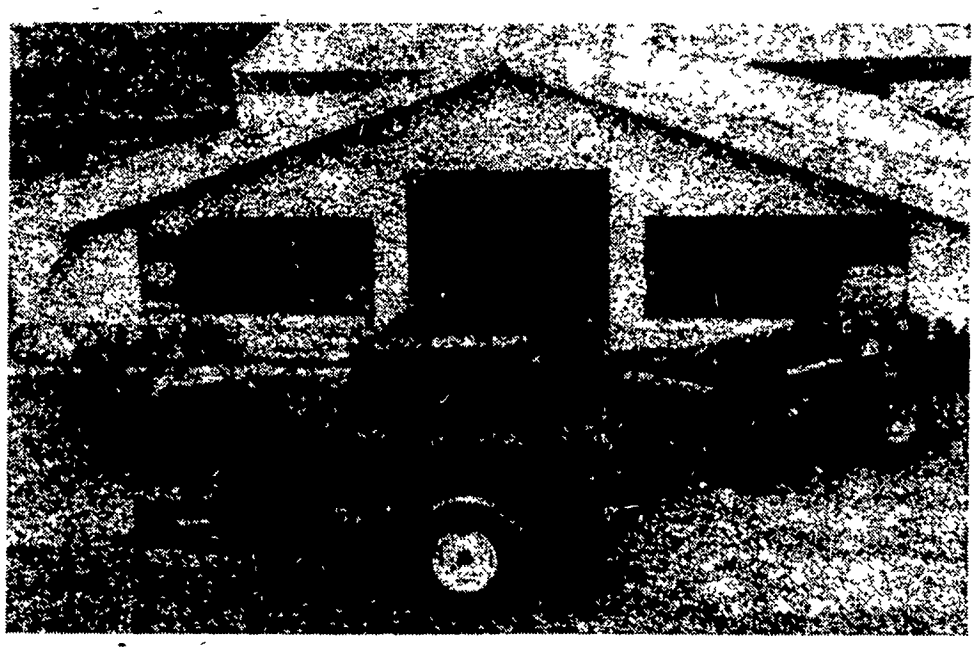

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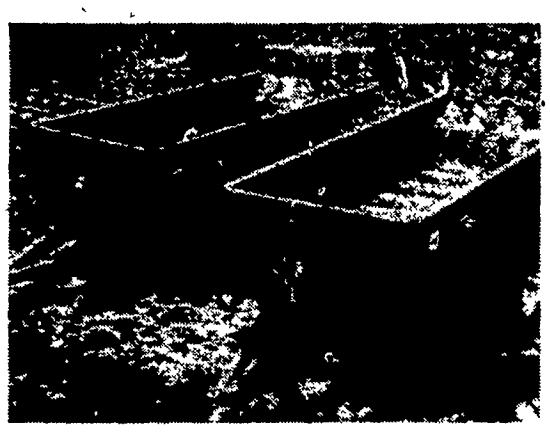

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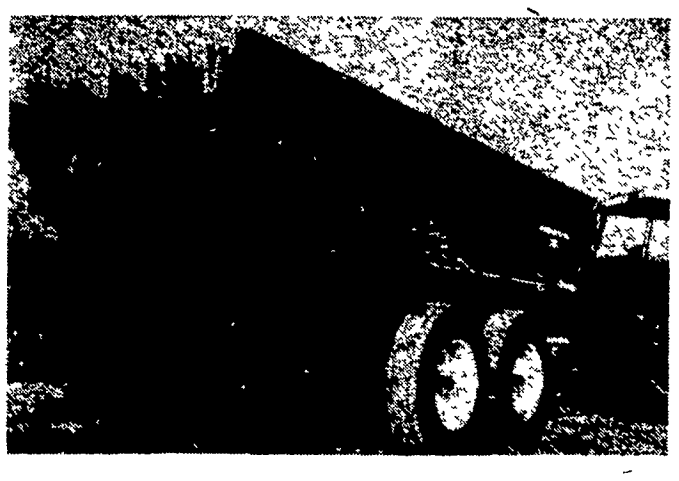

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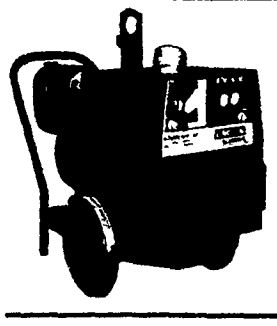

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Seven Delaware teens win national 4-H awards

NEWARK, Del. – Seven Delaware 4-H members have been named national winners and three have been named alternates at the National 4-H Congress this week in Chicago. This is the first year Delaware has ever had more than three national winners.

The winners are Anne Shortess, Newark, Del., Catherine Beldyk, Bear, Del., James Leathrum, Wilmington, Del., Marc Klair, Hockessin, Del., James Hukill, Harbeson, Del., Laura Newnom, Houston, Del., and Donna Hinzman, Harrington, Del. Each national winner receives a $1000 scholarship to be applied to college education.

The three alternate winners from Delaware are Vance Phillips, Laurel, for his conservation project; Richard Green, Middletown, for his dairy project; and Beth Ridley of Dover, for her fashion revue project.

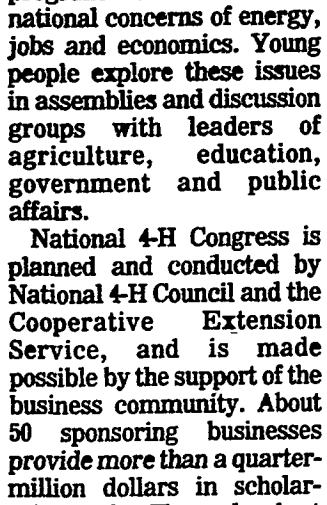
All ten of Delaware's national winners and alternates were among 20 state winners who earned trips to the National 4-H Congress in Chicago. Alternate winners in each project area are in line for scholarships if they cannot be used by the national winners.

The Cooperative Extension Service selected 273 national winners from among more than 1600 state and regional winners participating at the Congress, based on their superior accomplishments in 4-H project work, leadership and citizenship.

This year the Congress program focuses on vital national concerns of energy, jobs and economics. Young people explore these issues in assemblies and discussion groups with leaders of agriculture, education, government and public affairs.

National 4-H Congress is planned and conducted by National 4-H Council and the Cooperative Extension Service, and is made possible by the support of the business community. About 50 sponsoring businesses provide more than a quarter-million dollars in scholarship funds. They also host major entertainment and meal events, and provide state winner trips to 4-H Congress.

Delaware currently has over 100 4-H clubs, with a total membership of over 2000. County 4-H agents are located in the Cooperative Extension Service offices in Newark, Dover, and Georgetown.



LAURA NEWNOM
Houston, Del.

Everything seems to thrive in the Newnom home in Houston, Delaware: people, pets, plants, music, crafts, good food, and good feelings. It's from this enviable home environment that Laura Newnom emerged to win this year's national 4-H home environment award. Her prize is a $1,000 scholarship sponsored by the Sperry and Hutchinson Company, plus a trip to the National 4-H Club Congress in Chicago.

Home environment is a broad new 4-H category which seems tailor-made for a multi-talented young person like Laura. Not one, but many projects led to her selection as a national award-winner.

First of all, Home Environment includes home improvement. Laura sanded and varnished a porch addition to her family's farmhouse. She decorated a bedroom for herself, too, shopping with a sharp eye for price and quality as well as for color and design. She also helped her married sister turn a barebones house into a cozy home.

But even a beautifully decorated home doesn't provide an award-winning home environment unless it's also filled with good home cooking. Therefore, Laura's Home Environment project also included her home-canned and frozen garden vegetables. Cooking is another of her many talents. She's a past winner of the 4-H Reddy's Food competition.

Plants, too, contribute to a homey atmosphere. The Newnom porch abounds with them, and Laura particularly enjoys raising cactus.

Laura's parents say their daughter contributes a great deal to their home environment simply by being herself. The youngest of their four children and the only one still at home, seventeen-year-old Laura keeps the farmhouse filled with music and activity.

Now a senior, Laura has played the flute in school bands since she was in grammar school. This year she's president of the Lake Forest High School band.

With all her other talents, Laura is also an excellent student. She's a member of the National Honor Society who has also been singled out to receive the William Danforth Award for academic achievement.

Her athletic abilities are equally impressive. Last year she received her school's Most Improved Female Athlete Award. At various times she's also been named most valuable player in both softball and basketball.

Sports are such a favorite activity that Laura plans to major in physical education at either West Chester State or Salisbury State College.

JAMES LEATHRUM, JR
Wilmington, Del.

A 16-year-old Pike Creek Valley youth, James Leathrum, Jr., had an ambitious electric project which involved making his own set of hi-fi speakers, which was the clincher in netting Jim a $1000 scholarship from the Westinghouse Electric Corporation.

The teenager says he figured out on his own how to build the two speakers, relying primarily on books and hi-fi magazines for technical information. He spent most of this year putting them together, building everything but the drivers himself.

This has been Leathrum's most ambitious undertaking in five years of work on an electrical project that has also included building and repairing a lot of lamps, helping to install wiring in an old barn, and giving a lot of demonstrations of his electrical skills to other 4-H'ers. This year he was the top winner in the statewide 4-H electrical contest at the Delaware State Fair.

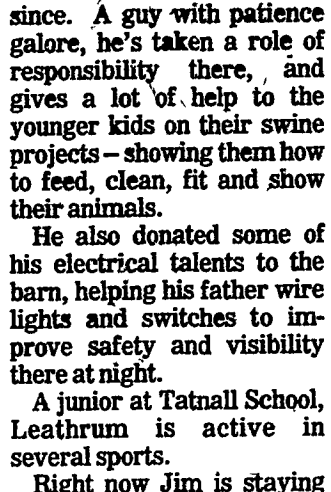
Jim became active in 4-H when he was 11, largely because the county 4-H livestock barn is just across the fields from his home in Hills of Skyline. His first major project was raising a feeder pig in that barn, and he's raised one every year since. A guy with patience galore, he's taken a role of responsibility there, and gives a lot of help to the younger kids on their swine projects – showing them how to feed, clean, fit and show their animals.

He also donated some of his electrical talents to the barn, helping his father wire lights and switches to improve safety and visibility there at night.

A junior at Tatnall School, Leathrum is active in several sports.

Right now Jim is staying with his grandparents, Mr. and Mrs. E. W. Phillips, in Sharpley, while his folks are away on sabbatical for a year (his father teaches at the University of Delaware).

Jim wants to study either chemical engineering or physics in college. He hopes to attend Princeton after graduation from Tatnall.



JAMES R. HUKILL
Harbeson, Del.

Start with one nine-year-old 4-H boy. Give him a sheep and eight years later you have a national winner in the 4-H leadership program. If you think that's unlikely, you're right. But it's nonetheless true for James R. Hukill, a 17-year-old Sussex county 4-H member. This Cape Henlopen High School senior, son of Mr. and Mrs. John D. Hukill of Harbeson, was awarded a $1000 college scholarship at a special presentation during National 4-H Congress. Jim is a member of the Holly Mount 4-H Club.

Like so many other Sussex county 4-H members, Jim wanted to have a livestock project and since both of his older sisters started with sheep projects, it was a logical thing for him to do also. The Hukill family lacked space for large animal projects, so sheep were about the only choice and even they presented some problems. The only sheep stable available to them at the time was located some distance from their suburban development and that facility was accessible to wandering dog that could attack the sheep.

Despite the difficulties all three of the Hukill children were able to successfully raise sheep projects. Jim started that first year with a market lamb but instead of sending the ewe lamb to slaughter, he decided to keep her as the foundation stock for a purebred, poled Dorset sheep flock.

With interest and encouragement from their parents the flock developed into a top contender at area livestock shows, including the Delaware State Fair at Harrington, the Maryland State Fair at Timonium, and the Eastern Regional Livestock Exposition at Richmond. It now includes 22 head with all but three belonging to Jim.

The sheep did provide the means for the yoiung 4-H member to develop his leadership qualities. Using knowledge he had gained in sheep husbandry, he was able to help many other Sussex and Kent county 4-H members with their sheep, providing advice, training, management know-how, and an almost expert opinion when another young shepherd was having problems. His flock was utilized in training sessions, clinics and judging practices in preparation for competition.

As president of the Sussex County 4-H Livestock Club Jim has been in charge of arranging for training sessions for other members and has given many management demonstrations.

One of his favorite projects over the past few years has been veterinary science, particularly as it relates to the care of sheep.

Jim's leadership responsibilities go beyond the livestock project. He's taken an active part in several 4-H exchange trips between Sussex county 4-H'ers and 4-H'ers in also been involved in State 4-H Camp for several years, working his way up through the ranks to the enviable position of tribal chief at next summer's gathering.

Like most 4-H'ers Jim is involved in many other activities, particulaly sports. He's on the school soccer and wrestling teams, is an avid photographer providing hundreds of pictures of high school sporting events. He also likes water skiing, sailing and hunting.

The leadership winner has gained valuable farming experience by working on a nearby farm after school and during the Summer. His responsibilities have involved just about every phase of farm life including livestock care and machinery operation.

Although he's interested in farming Jim sees little opportunity to get a start so instead he plans to attend a maritime college somewhere and hopes someday to be a Delaware River pilot like his father.

MARC KLAIR
Hockessin, Del.

Fifteen-year-old Marc Klair has been fixing small machines for four years now, as part of a 4-H petroleum power project. In fact, he's done such a good job at this that he's won a $1000 national scholarship from the Amoco Foundation.

The skillful young mechanic is a junior at Delcastle Technical High School, where he majors in welding. He's also starting to learn how to fix car engines for a 4-H project.

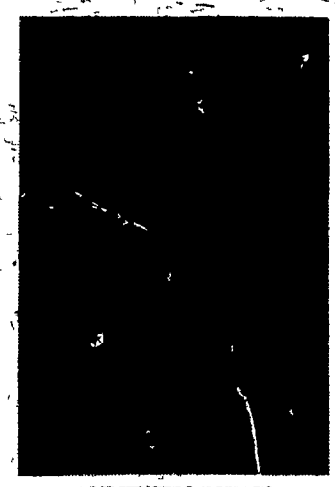
These are all talents which should stand him in good stead if he follows through with plans to pursue a carer in either welding or farming – or possibly a combination of both. As Marc points out, you have to have a lot of machinery skills to operate a modern farm. You also have to have a lot of money to start one, which is why he might have to settle for a welding career, as well as farming, at least at first.

He's had a good taste of farming, helping his father run a small hog operation on their five-acre parcel of land on Old Wilmington Road near Hockessin. Right now they've got 20 pigs on the place – five sows, a boar, some piglets and a batch of market pigs. Marc's had a 4-H swine project even longer than his awardwinning petroleum power project. With both interests he's spent a lot of time sharing his knowledge with fellow club members and giving demonstrations at county, state and even interstate 4-H gatherings.

A good, hard-working leader, Marc was president of his own club last year, and is an active member of the New Castle County Junior Council. This is an organization of teenage leaders who get together to help adult volunteer 4-H leaders develop and present successful programs for club members.

As a 4-H "ambassador," he's also gone out to service clubs in the community, like the Lions, to tell them how 4-H works.

Marc comes from a family that's steeped in the 4-H tradition. Both his parents were 4-H'ers themselves as youngsters. And his two sisters are keenly involved with club work, too. His father, Richard Klair, is now the 4-H county coordinator.



ANNE SHORTESS
Newark, Del.

Anne Shortess has achieved the goal she's been working toward since fourth grade.

The 17-year-old Newark High School senior has been named a national 4-H award winner, one of 273 outstanding teenagers in the country selected by the Cooperative Extension Service on the basis of leadership, citizenship, and 4-H project work.

Anne is a bubbly, energetic teenager who thrives on burning the candle at both ends and in the middle too. In addition to her 4-H activities, she has two part-time jobs and is a member of the marching and symphonic bands at Newark High, which consumes a big chunk of extracurricular time.

Since February she has been actively involved in Meals on Wheels, the organization which furnishes daily hot meals to senior citizens and shut-ins.

In January she hopes to begin evening classes in sign language at the Sterck School for the Hearing Impaired. Her career goal is to work either with the handicapped, or with those whose vision or hearing is impaired, so her scholarship will help pay for a degree in special education.

This friendly teenager is the daughter of Carolyn and Richard Shortess. She has two older brothers. The family lives in Newark.

Anne's award-winning 4-H activity was in the field of food conservation and safety, a natural choice for someone who enjoys cooking. She has become knowledgeable in all aspects of food preparation and preservation, and is also an expert on safety in the kitchen as well as at the outdoor barbecue.

She has presented a number of demonstrations for 4-H and other groups, including wrapping meat for the freezer, drying foods, freezing and canning techniques, making bread, and putting out kitchen grease fires.

CATHY BELDYK
Bear, Del.

Following a family tradition of 4-H involvement, 17-year-old Cathy Beldyk of Bear, Delaware, has been named a national 4-H award winner and recipient of a $1000 scholarship.

The Glasgow High School senior is the daughter of Marie and Richard Beldyk,

(Turn to Page 22)

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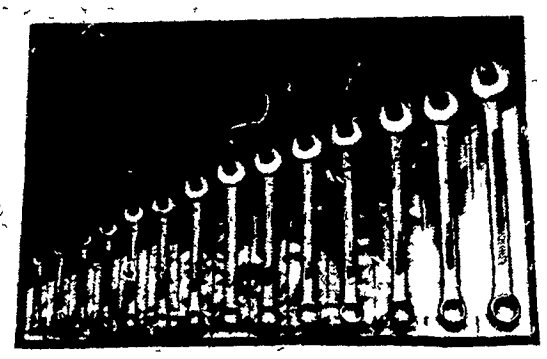

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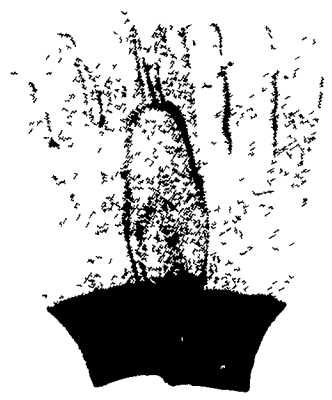

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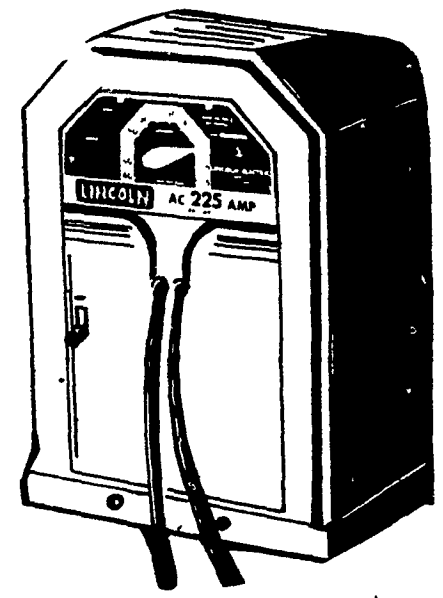

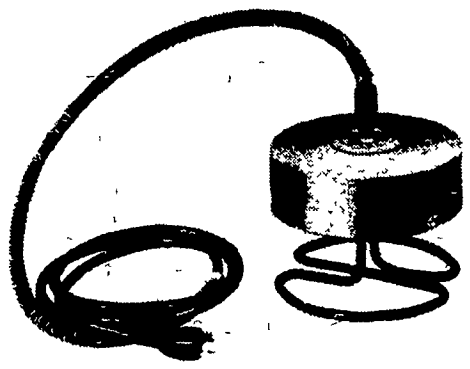

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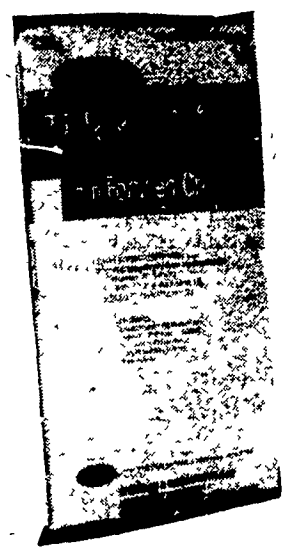

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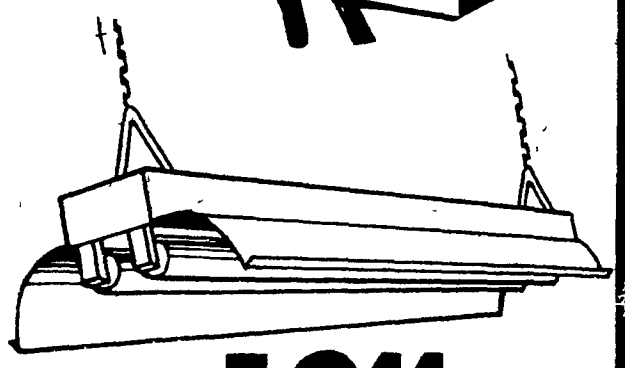

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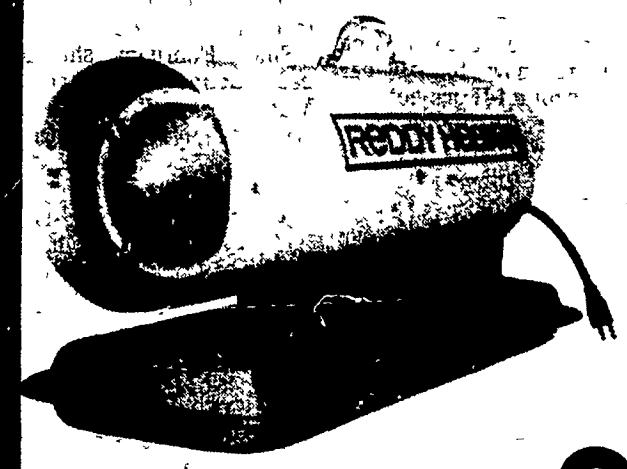

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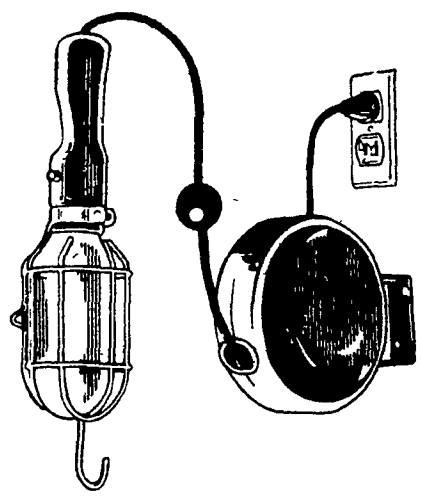

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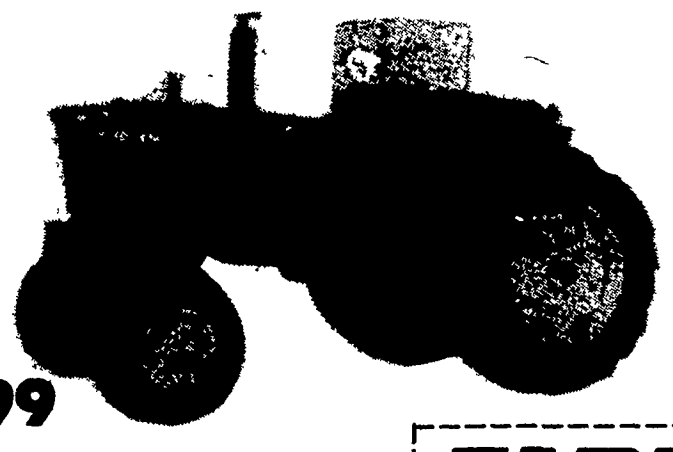

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Seven Delaware teens

(Continued from Page 21)

DONNA HINZMAN
Harrington, Del.

both of whom are 4-H leaders. Her two older brothers, Richard, 19, and David, 17, are former state 4-H winners. Younger brothers Robert, 14, and Brian, 11, are also active 4-H club members.

Cathy's award-winning 4-H activity was in the health category. As part of her project she demonstrated first-aid techniques and conducted health programs for her 4-H club. In addition she prepared a number of research reports on cancer, epilepsy, and several childhood diseases.

Her high school activities include the field hockey team, National Honor Society and Student Government association. She has been captain of the girl's track team for two years, setting the school record for the mile in 1977.

She will use her $1000 scholarship to attend Goldey Beacom College for two years in order to become a legal secretary. After that she hopes for the traditional home and family, admitting that she's been influenced by the close relationship she has with her parents and brothers.

Cathy's scholarship was provided by Eli Lily Co., one of about 50 businesses and foundations donating the awards and scholarships.

Nineteen-year-old Donna Hinzman, Harrington has won a national award for her consumer affairs project at the National 4-H Congress. She received a $1000 scholarship sponsored by Montgomery Ward.

A 4-H member for eight years, Donna truly lives the famous "Head, Heart, Hands and Health" motto; a clear-thinking, service-oriented young woman, Donna uses her consumer expertise to improve the quality of life for the people around her.

Ever since childhood Donna has been interested in finding ways to make a limited supply of money go further. Today her consumer affairs 4-H project has grown to include a clothing and coupon exchange. Friends, neighbors, and relatives bring Donna their unwanted cents-off coupons and outgrown clothing, then look through her stock to select items they can use.

As another aspect of her project, Donna often demonstrates inexpensive home-decorating crafts.

The Hinzman home is filled with examples of Donna's work – including quilling, crocheted afghans and pillows; dried flower arrangements; a pincushion made from scraps of yarn; hooked rugs; even an easy-to-find key chain ornament made out of a clothes pin. Donna learned many of the crafts at 4-H camp, which she has attended for seven years.

The entire Hinzman family is 4-H oriented. Donna's younger brother is another enthusiastic 4-H'er, and their mother pitches in as a project leader in such areas as food preservation. Both brother and sister participate in the food preservation program.

William Hinzman admits to feeling a little left out when his whole clan goes off without him to attend evening 4-H program, but his long hours as a dairy herdsman prevent him from joining in. Still, he agrees that 4-H has broadened the whole family's horizons.

Living way out in the country as they do, 4-H gives the Hinzmans the opportunity to see, do and learn things that would otherwise be unavailable to them.

Most of the 4-H projects in which Donna has participated are related in some way to her overall interest in consumer affairs. As a first-year student at Delaware Technical and Community College, Donna is building upon her 4-H acquired skills in cooking, canning, sewing, electricity, and woodworking. A human services major, she's learning how to use these skills to serve others.

Virginville Grange holds meeting

VIRGINVILLE - The Virginville Grange youth reported they will be having a hay ride on December 2, and practicing for their Hee-Haw show on December 4.

The Jeffrey Weitzel family won second prize out of five family vocal competitors in the National Grange competition held recently.

The women made shoo-fly pies for the Y.W.C.A. Helen Epting won a blue ribbon for her shawl, from the State Grange. Ruth Beaver, Ruth DeLong and Jean Hertzog were the judges for the pumpkin pie contest. The winners were: first, Eleanore Hil; second, Florence Pink; and third, Harriette Miller.

It was announced there will be eight different places next year to take the sixth degree. Jeffrey Wetzel has been named the new County Junior Deputy.

Jane Hill, Keith Treichler, and Beverly Wagner will be in charge of planning the Grange's 25th anniversary next year.

There will be a Pomona meeting on December 2 at the Agricultural Center. A Christmas program is planned. All juniors are to bring their reports.

The women will meet on December 6 at 7:30 p.m. Women are to bring cookies.

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Dairylea's PR manager comments on program

By DIETER KRIEG

PEARL RIVER, N.Y. — Bruce Snow, manager of public relations for Dairylea Cooperative, Inc., says his cooperative's recently enacted capitalization program was two years in the making and will give the 70-year old organization financial stability.

In a telephone conversation with Lancaster Farming this week, Snow admitted that no business organization could exist on the type of financing that was previously practiced at the Pearl River-based cooperative. Up until recently, all of Dairylea's certificates were of the interest-bearing, 10-year rotation variety which kept the organization in constant debt.

The old Certificates of Indebtedness are now being turned into equity certificates. Members of the cooperative have three alternatives to gain that equity in the financial structure of Dairylea. 1. They may purchase certificates at 55 cents to the dollar; 2. They may take deductions from their milk checks at 20 cents per hundredweight for the first 50 per cent of their required equity, and 3. They may continue deductions at 11 cents per hundredweight for equity payments beyond the 50 per cent level.

A member's contribution towards the equity plan was calculated by taking his 1977 annual milk production and multiplying it by $1.20 per hundredweight. A farmer with 70 cows, for example, and a production of 1 million pounds of milk for the year, would be obligated to purchase $12,000 worth of equity. He may do so at a rate of 55 cents on the dollar because the old Certificate of Indebtedness were purchased by Dairylea from previous owners at 53 cents on the dollar. The two cents difference goes to pay for costs involved with the transactions.

"It doesn't solve all our problems but it does put a foundation under us to give us the ability to solve problems that come up," commented Snow.

"There was a certasin amount of apprehension about it at first, but overall, we've seen a tremendous amount of enthusiam coming from our members," the PR man continued. He, like many others, gives much of the credit to the co-op's new general manager and executive vice president, Robert Maerz.

Noting that the milk marketing situation in the Northeast is very volatile and complex, Snow said Dairylea is now stressing sales of consumer products. He pointed out that the marketing situation has become so competitive that Sealtest and Borden have both left the area, leaving only Dairylea of the original "big three."

Snow points out that there are presently 121 milk dealers in Federal Order 2. Ten of those handlers handle 61 per cent of the available milk while the other 111 compete for the remaining 39 per cent. Dairylea has seven fluid milk plants and five manufacturing plants.

Snow says that the vast majority of Dairylea members decided to stay with the cooperative because they recognize the security of marketing that a cooperative offers. He admits, however, that the show of confidence wasn't without reservations.

"Our members have noted that they won't pick up the tab for bad decisions and anything less than effective, aggressive marketing," he said, adding that "our members shouldn't have to pick up that tab."

"Milk right now is in short supply. Memories are also short," Snow continued, referring to the hectic marketing conditions experienced by all Northeast dairies last Spring. Some farmers have forgotten about that and they continue to reflect optimism in marketing no matter what.

The Dairylea membership, Snow speculates, is aware of the volatile marketing situatiuons that can arise and is therefore willing to invest in some security for future sales,

According to latest available figures, 57 per cent of the Dairylea membership has already met 100 per cent of its equity committment. Another 16 per cent of the membership is at the 50 per cent stage.

Snow points out that the offer of certificates to members at a rate of 55 cents per dollar was discontinued as of November 20. A somewhat higher asking price is in effect now, and after December 15 the discount offer will be discontinued. A subsidiary of Dairylea, Dairy League Cooperative Corporation, will purchase the remaining certificates.

Dairylea, which registered sales of $365 million in 1977, is accepting new members, Snow says. They, too, will be required to take part in the equity program. Dues are currently nine cents per hundredweight.

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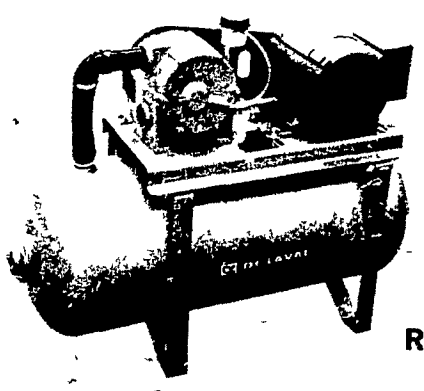

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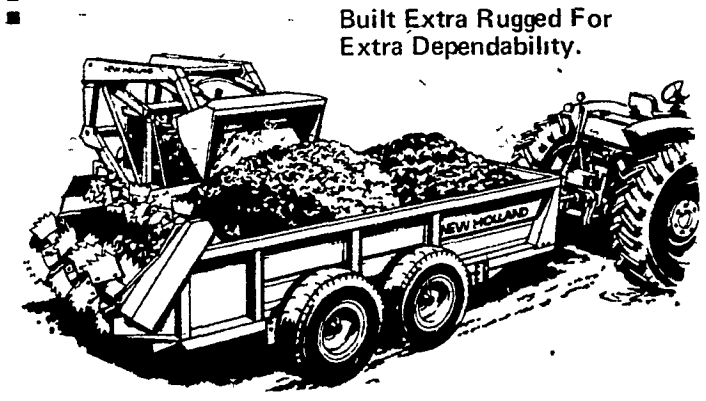

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Deer to be dressed

HARRISBURG - Successful deer hunters in Pennsylvania are urged by the Game Commission not to dress out deer along roads. The task should be performed back in the woods, where entrails will not be unsightly and offensive to motorists and landowners.

Hunting Calendar

HARRISBURG - Below is a calendar for the coming hunting seasons.

December 9 - Duck, sea duck, coot, merganser season closes.
December 9 - Antlered deer season closes.
December 9 - Antlered & antlerless season closes, special regulations area, southeastern Pennsylvania.
December 11 - 6-Day antlerless deer season opens, in southeastern Pennsylvania.
December 14 - One-Day antlerless deer hunt, special deer management (Allegheny National Forest) area.
December 15 - Antlerless deer season opens.
December 16 - Antlerless deer season closes.
December 16 - 6-Day Antlerless deer season closes, in southeastern Pennsylvania.
December 16 - Snipe & woodcock season closes.
December 19 - Goose season closes.
December 26 - Muzzleloader & archery deer and winter small game seasons open.
December 26 - Canada goose season opens, in southeastern Pa.
December 26 - Snowshoe hare season opens.
January 1 - Mink & muskrat trapping season closes.
January 1 - Snowshow hare season closes.
January 5 - Crow season opens.
January 13 - Muzzleloader & archery deer, winter small game and canada goose seasons close.

Three from York Co.

Pennsylvania has eight national 4-H winners

CHICAGO, Ill. - Eight Pennsylvania 4-H'ers claimed $8,000 in scholarships at the 57th National 4-H Congress here this week. Each was named a winner in programs arranged by the National 4-H Council and supervised by the Cooperative Extension Service.

Selected for their accomplishments in 4-H projects and activities, leadership development and growth in personal, community and civic responsibilities, 258 winners nationwide shared $242,800 in educational grants.

Pennsylvania's national winners, the amounts of their grants, the program in which they won honors, and the donors of awards were: Scott Giel, 18, Gibsonia, $1,000, automotive, The Firestone Tire & Rubber Co.; Tommy E. Welsh, 18, East Berlin R1, $1,000, dairy, Insurance Company of North American; Brooke M. Palmer, 17, Shrewsbury, $1,000, food preservation, Kerr Glass Manufacturing Corp.; L. Thomas Perry, 16, Stroudsburg, $1,000, gardening, Ortho Division, Chevron Chemical Co.; Judy A. Long, 18, Carlisle, $1,000, horse, National 4-H Council; Bonnie G. Wire, 18, Spring Grove R4, $1,000, photography, Eastman Kodak Company; Denise A. McConaughey, 18, Smicksburg R1, $1,000, swine, National 4-H Council; David D. Sammons, 18, New Castle, $1,000, veterinary science, The Upjohn Company.

During their five-day visit to Chicago, the 4-H'ers divided their time between sightseeing and getting acquainted with the other 1,650 delegates from across the country.

Designed to provide a platform for recognizing outstanding young people, National 4-H Congress also gave delegates a healthy balance of educational, inspirational and entertaining activities.

Themed "4-H - Freedom To Be," this year's Congress program emphasized the major national concern of energy. In addition to seminars featuring top energy experts, the program gave delegates information on energy sources and alternate sources. The 4-H'ers were also involved in energy sources and alternate sources. The 4-H'ers were also involved in discussions about the impact of energy on lifestyles, economics, jobs and careers.

Noted for its variety of entertainment for delegates, the Congress program included performances by Maynard Ferguson and his orchestra, sponsored by International Paper Company; and the Purdue Collegiate Singers, by American Income Life Insurance Company. Delegates dined as guests of General Motors at a luncheon featuring the Spurrlows and Miss America, and they were entertained by Liz Damon's Orient Express at the International Harvester Company luncheon. The Firestone Tire & Rubber Company sponsored a breakfast, head-tabled by 50 top leaders of government and business.

Both Standard Brands Incorporated and Ford Motor Company hosted parties for the delegates. They were treated to a performance of the Broadway musical, "Oklahoma", presented by fellow 4-H members from Ft. Wayne, Ind. The presentation was sponsored by Kerr Glass Manufacturing Corp. First National Bank of Chicago hosted a special evening at the Field Museum of Natural History for the delegates.

The National 4-H Fashion Revue, staged by Simplicity Pattern Co. Inc., included 52 winners who modeled their own ensembles. Pennsylvania was represented by Kathleen Martin of Enon Valley.

National 4-H Congress closed Thursday evening, Nov. 30, with the naming of six Presidential Award winners, a banquet, and a farewell party co-sponsored by Production Credit Association and National 4-H Council.

SCOTT GIEL
Allegheny County

An 18-year old Pennsylvania youth, who restored a 1965 Mustang fastback for use as a racing car, Scott Giel, Gibsonia, received a $1,000 scholarship at the 57th National 4-H Congress.

Giel, son of Mr. and Mrs. Thomas V. Giel Sr., is studying automotive technology at Shelbyville, Tenn., Vocational Technical School. He plans a career as a mechanic, possibly in auto racing.

The Allegheny County youth purchased the 1965 auto for $1,000 in the fall of 1977. The vehicle had a special racing engine and drive train already in it, but the car has been severely abused, he said.

"As I worked on it, I made special modifications so I could re-do it for street use at the end of the racing season," he said. The 4-H'er worked throughout last Winter to take the car apart. He sanded all the parts, cleaned them up, repainted each part using rustproof paint on body parts, and put it all back together again. He then installed roll bars inside the shell and re-installed the seats and mechanical systems.

"This was a tremendous challenge for me and when the motor turned over, the feeling of excitement seemed to be impossible."

The youth learned how to properly prime and paint the body. He has raced the car a few times and said he plans to put in a different engine and sell his racing engine.

The nine-year 4-H'er earlier had made a go-cart, using a motorcycle engine. He later converted it into a tractor-snowplow to clear the family driveway of snow.

TOMMY WELSH
York County

Tommy Welsh, 18, East Berlin R1, received a $1,000 scholarship at the 57th National 4-H Congress.

Welsh is the son of Mr. and Mrs. James E. Welsh, Jr. He has been a 4-H member for seven years.

A consistent award winner, in the past year the youth has been named Keystone and state dairy winner and received four blue awards, two red, three master fitter ribbons and three master showman ribbons at county and district events.

"One of my goals has been to enlarge our herd with

(Turn to Page 25)

Pa. W

(Continued from Page 24)

higher producing animals," says Welsh, a recent high school graduate who is currently working full time on his father's dairy farm. "I have learned that it costs just as much to raise a poor herd replacement as it does to raise a good one," he said.

In his own herd, the young winner has 14 Holsteins, four Brown Swiss and two Ayrshires. He has been experimenting with calf hutches, a relatively new idea which he says has proved very worthwhile in his own operation. He started out by building two hutches and now has 16.

Welsh has prepared a 4-H demonstration on the use of hutches, which he has given to many clubs both within and outside of York County. With the demonstration he won an award two years ago.

He plans to go to college and major in animal science before settling down with his own farming operation.

BROOKE PALMER
York County

A 17-year old Pennsylvania girl, who put together a seven-page booklet on drying foods, Brooke Palmer, Shrewsbury, received a $1,000 scholarship during the 57th National 4-H Congress in Chicago.

Mr. and Mrs. Glenn E. Palmer, is a high school

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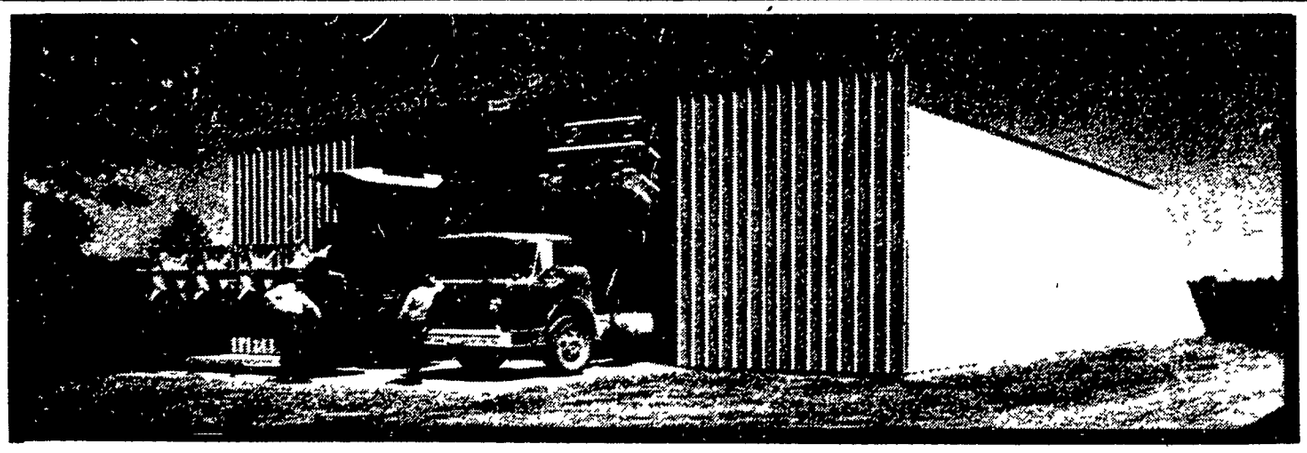

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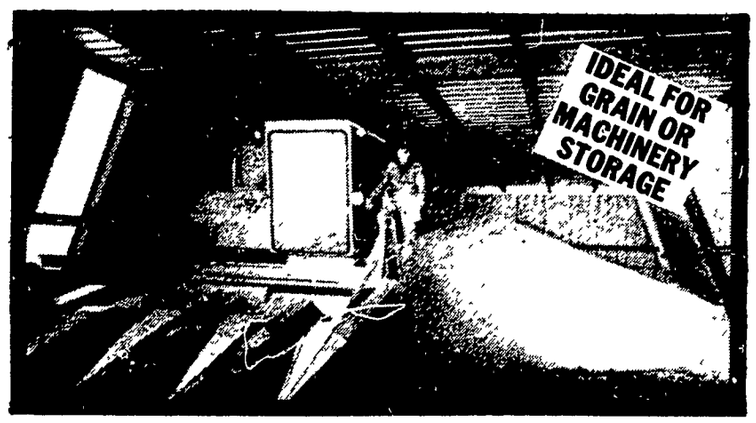

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inners

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(Turn to Page 25).

Pa. Winners

(Continued from Page 24)

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York County

A 17-year old Pennsylvania girl, who put together a seven-page booklet on drying foods, Brooke Palmer, Shrewsbury, received a $1,000 scholarship during the 57th National 4-H Congress in Chicago.

Mr. and Mrs. Glenn E. Palmer, is a high school senior and plans a career in mathematics-computer science.

The York County girl said that one reason she likes to preserve her own food is because of "all the controversy over food additivies." She added, "I like to know what is in my food. Doing it myself assures me of what I'm eating."

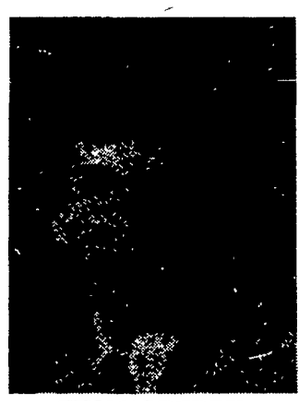
The eight-year 4-H'er said that drying foods, one of the first preservation methods used, "fascinates me" and this is one reason she decided to put together a booklet on it.

She also put together an 11-page project book for other 4-H'ers to use in drying food in their food preservation projects. Among the foods she has dried are apples, onions, peaches, green beans, and carrots.

Miss Palmer also has done extensive canning and freezing in her project. She had members bring their pressure cookers in for testing to make sure that foods would be processed at the correct temperature of 240 degrees.

Miss Palmer served as a junior leader, assisting younger 4-H members with their food preservation projects.

Her other 4-H projects have included clothing, health and home environment.



THOMAS PERRY
Monroe County

A 16-year-old Pennsylvania youth, who planted marigolds among vegetables to deter insects, L. Thomas Perry Jr., Stroudsburg, received a $1,000 scholarship at the 57th National 4-H Congress in Chicago.

Perry, son of Mr. and Mrs. Lowell T. Perry, is a high school junior and plans a career in bio-chemical research.

The Monroe County youth learned that marigolds would deter insects away from vegetables while studying how to control insects through both chemical and organic methods.

Because the youth found pulling weeds was the most unpleasant aspect of vegetable gardening, he learned to mulch for weed control. Then the youth began a compost pile and learned how to turn wastes into rich organic material to add to the garden soil.

The 4-H'er said that he kept financial records, he could see the advantages of growing your own vegetables. "I believe most people accept that vegetables you grow yourself are more nutritious, but they are also cheaper," he said. "My family and I canned and froze excess vegetables and many Winters we bought only a few vegetables from the grocery store to supplement our supply."

The youth also became interested in vegetable judging and organized a judging team that won first place in state competition in 1976.

Perry's other projects have included leadership, poultry, citizenship, wildlife, bicycle, and crafts.

JUDY LONG
Cumberland County

A Pennsylvania 4-H member has been named one of six national winners in the 4-H horse program.

Judy Long, 19, Carlisle, received a $1,000 scholarship at the 57th National 4-H Congress.

Although she has been in the 4-H horse program for the last seven years, Miss Long considers that her real involvement began two years ago when she acquired her gelding, "Blue," as a weanling. She has been training him ever since and last year placed first in the yearling class at the Pennsylvania 4-H Horse Production Show.

This year the Cumberland County winner entered Blue in the county 4-H roundup. Her horse placed second in showmanship and first in grooming. The winner considered winning the grooming award a real challenge since her mount is "90 per cent white."

From there, horse and rider went on to win fourth in a performance class with 30 contestants riding.

"These last two years have been really satisfying. Being able to grow up with a horse for two years and then breaking him to ride I feel is a big accomplishment, Miss Long says.

"Through years of working with horses I have learned much by just watching and listening. I enjoy what I do and I put a great deal of time and effort into it. I have shown a lot of production stock. I really enjoy working with young horses and brood mares," she continues.

Last year the winner was a member of the county horse judging team that won the state contest. The award carried with it the honor of representing Pennsylvania at the Quarter Horse Congress in Ohio, the National Arabian Horse Show and the Keystone Horse Judging Contest.

"As I pursue a career in business, I still will never give up working with horses," says the 1978 high school graduate. "Whatever my career becomes, horses will always be my second job."

Miss Long is the daughter of Mr. and Mrs. Maynard Long of Carlisle.

BONNIE WIRE
York County

An 18-year-old Pennsylvania girl, who has had more than a dozen of her photos published in newspapers, has won a $1,000 scholarship as one of six national winners in the 4-H photography program.

Bonnie Wire, Spring Grove

(Turn to Page 26)

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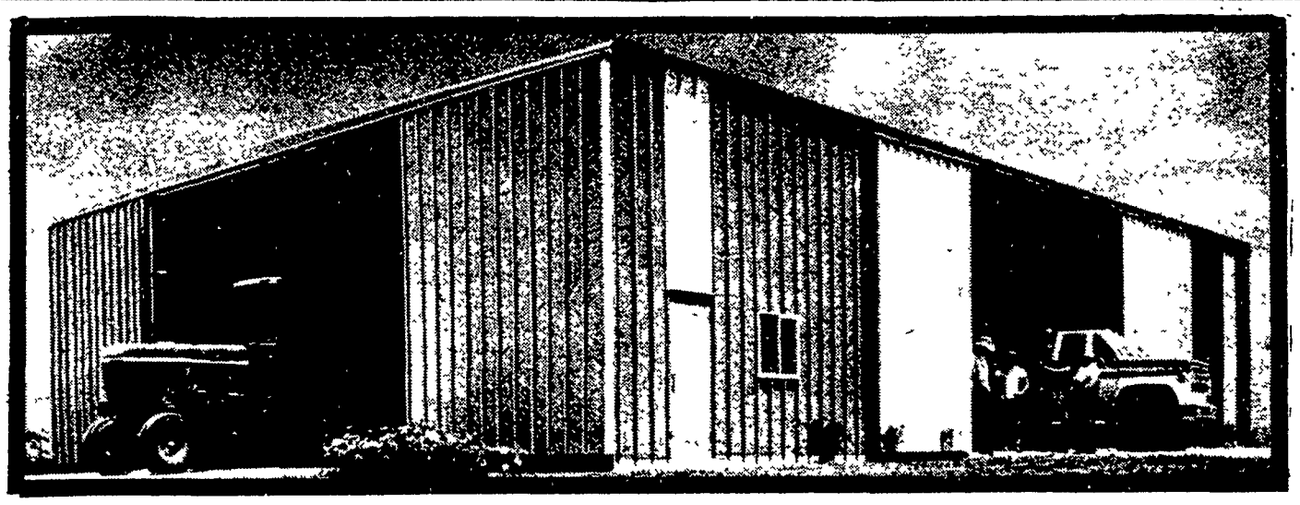

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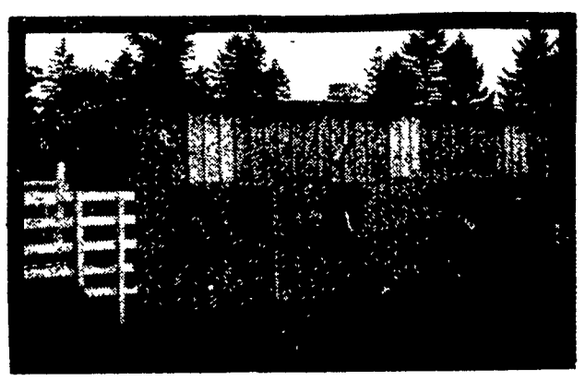

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Pa. Winners

(Continued from Page 25)

R4, received her award during the 57th National 4-H Congress in Chicago.

The York County girl, the daughter of Mr. and Mrs. Russell E. Wire, is a freshman at York College and plans a career as a journalist.

The eight-year 4-H'er already has a headstart on her career because of the work she did in her photography project. It helped her land a job last summer as a correspondent for the Hanover Evening Sun. She is currently a part-time feature correspondent for the York Sunday News.

She submitted 18 photos to the Hanover newspaper and had 13 of them published. Some of them appeared with feature stories she wrote.

During her last year in high school, she was editor of the school's first literary magazine, Spectrum, in which a number of her photos also appeared.

Miss Wire has taken a wide array of black-and-white and color photos. She has developed her own film and made many enlargements. During her stint with the Hanover newspaper, she also did some darkroom work.

Earlier this year Miss Wire helped organize a new 4-H club for handicapped young people. As a junior leader, she has also aided younger 4-H members in their photography projects.

Her other 4-H projects have included automotive, leathercraft, food-nutrition and horticulture.

DENISE McCONAUGHEY
Indiana County

Denise McConaughey, 18, Smicksburg R1, received a $1,000 scholarship, one of six winners in the national 4-H swine program.

Miss McConaughey is the daughter of Mr. and Mrs. Clyde McConaughey Jr. She is a freshman at Indiana University of Pennsylvania where she is majoring in business administration.

The Indiana County winner raises Duroc hogs. In nine years in the swine program she has received the Pennsylvania "outstanding 4-H pork producer" award and grand champion showing and fitting awards.

The winner bought her first Duroc hogs with money she earned at fairs when she began raising the breed seven years ago. She later increased her operation by buying her sister's Chester Whites but finally decided to limit herself to Durocs, raising her own animals and helping her father with his Duroc operation.

In her nine 4-H years, Miss McConaughey has been able to finance her college education with the $25,570 she has earned.

She has served in all offices of her local 4-H club, organized a livestock club and helped junior members hold their first livestock sale.

Other 4-H programs which have held her interest over the years are dairy, clothing, veterinary science, meats, home management, crocheting, safety, leadership and health. 4-H has even helped her choose a career.

"My mind was completely unsettled as to what career would be best for me, but when I began keeping records for my herd, I realized that this was where my interests lay," the young business administration major says.

"I enjoyed working with the books, and without my swine project, I probably would still not be so sure of myself."

DAVID SAMMONS
Lawrence County

An 18-year-old Pennsylvania youth was named one of six national winners in the 4-H veterinary science program.

David Sammons, New Castle, received a $1,000 scholarship.

Sammons, son of Mr. and Mrs. J. Calvin Sammons, is

(Turn to Page 27)

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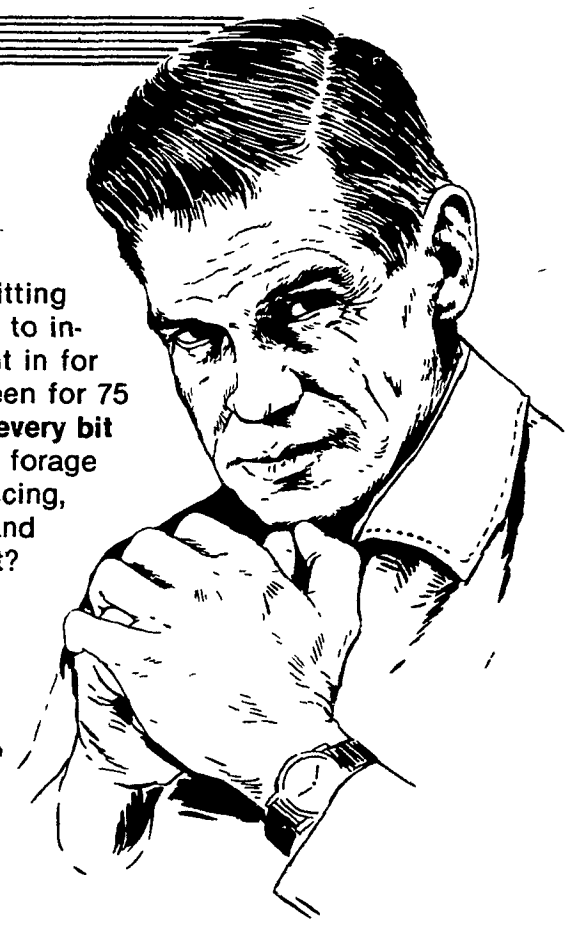

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Pa. Winners

(Continued from Page 26)

a ten-year 4-H member and a high school senior.

During his 4-H years, the youth says, his interests have shifted from "vegetables and other miscellaneous projects" to veterinary science. Since the two suburban acres owned by his parents limited the size of his animal projects, Sammons rents two small pastures and a large barn to house his animals.

Newly acquired skills include caponizing chickens, delivering lambs, vaccinating and administering blood tests to sheep and swine, and giving hormone shots to cows.

Sammons has been grand champion sheep showman three of the last four years at the Lawrence County Fair. Last year he had the grand champion pen of Dorest market lambs at the Western Pennsylvania Junior Livestock Show and Sale.

"When showing my animals, I have a greater sense of pride knowing that I bred, raised, and developed the animals rather than buying high priced potential champions," he says.

Sammons has won trips to the Pennsylvania Association of Farmer Cooperatives Summer Institute, the Pennsylvania Leadership Congress, and the 4-H Citizenship Short-course in Washington, D.C.

In addition to sheep and swine projects, he has taken entomology, wildlife conservation, small engine, rabbit and poultry.

Proper food related to appearance, energy

SOUTHAMPTON – The nutritionists at Dairy Council Inc, Southampton, are frequently asked about food and its relationship to appearance, energy, and general well-being. The following are some of the questions received, and their answers.

In weight reduction diets, is there a calorie level below which it is unsafe to go?

Yes, despite that famous quotation that "You can't be too rich or too thin."" Dairy Council says that, unless you are on special orders from a physician, women shouldn't go below 1200 calories per day, and men, below 1800 calories. To maintain oneself on fewer calories for any length of time could result in a severe shortage of nutrients.

Do people need different nutrients at different stages of life?

All people need the same nutrients thoughout life, but in varying amounts depending upon body size, status of growth, and activity. For example, people of all ages need the nutrients provided by milk and other dairy foods, but during the years when bodily growth is greatest, more servings are needed than during infancy or later years. The calcium generously provided by milk helps in the formation of strong bones, teeth, and other body tissues. Other people benefit from the calcium in milk because it may help to prevent osteoporosis, a degenerative bone condition.

Is there a perfect food?

No, except for infants in the first weeks of life, when milk acts as the completer diet. While milk supplies more nutrients per calorie than most other foods, iron and vitamin C must be provided by other sources.

Is it possible to get too much vitamin D?

Yes. Vitamin in excessive amounts, taken over a long period of time, can be toxic. Amounts slightly over the daily recommendation of 400 I.U., however, are not considered harmful. In recent years there has been a trend for manufacturers to fortify such foods as breakfast cereals with nutrients including vitamin D.

The Council of Foods and Nutrition of the American Medical Association recognizes only the fortification of milk with this nutrient, and sees no justification for adding it to other foods.

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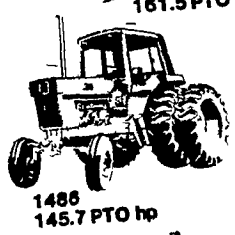
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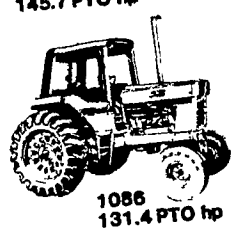
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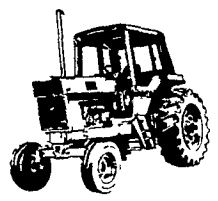
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USDA releases 1979 outlook

WASHINGTON, D.C. – U.S. agriculture will enter 1979 with large grain supplies and relatively low livestock feed costs. Corn prices are forecast to average $2.00 to $2.15 for the 1978/79 season, according to a USDA report released recently. These prices are expected to encourage continued expansion of cattle feeding. However, nonfed beef slaughter will be less and the total beef supply in 1979 is forecast to be about 5 per cent below 1978. Continued favorable profit margins for pork and broiler production are encouraging expansion in 1979.

Overall, the red meat and poultry production for 1979 should equal this year's 51 billion pounds. Continued growth in consumer incomes and strong retail demand in 1979 will be reflected in further increases in livestock and livestock product prices, especially beef prices.

Foreign demand for U.S. farm products is also expected to continue strong in 1978/79. Increasing livestock numbers and some rebuilding of reduced foreign grain stocks may further strengthen export demand. Exports for 1978/79 should be near the record 1977/78 volume, with a moderate increase in value anticiapted.

The farm economy is exhibiting more strength than expected as 1978 draws to a close. Increased feeding of livestock, sustained large export volume, and heavy placement of grain in the farmer-owned reserve have combined to offset the price-depressing effect of record large grain supplies.

The higher than anticipated grain prices, along with strong livestock and poultry prices, have increased USDA's forecast of ending year prices for farm commodities. Prices received by farmers in October through December are now expected to be 1 to 2 per cent higher than the third quarter level and 20 per cent higher than fourth quarter 1977 prices.

Cash receipts in the fourth quarter play a major role in determing annual farm income since crop marketings are seasonally large during this period. The recent increases in commodity prices also suggest that 1978 net farm income may be about $1 billion higher than earlier expected. Net farm income before inventory adjustment is now forecast at around $26 billion, compared with $20.1 billion in 1977.

Led by strong gains for wheat, soybeans, feed grains, and oilseed products, 1977/78 (October-September) farm commodity exports reached $27.3 billion, a record value, while volume increased 19 per cent over the previous year. With agricultural imports of $13.9 billion, the agricultural trade surplus increased to $13.4 billion.

The stronger commodity prices, along with rising marketing costs, portend further increases in food prices. Retail prices in the fourth quarter will be 1 per cent higher than third quarter prices and 11½ per cent above a year earlier. Food prices for all of 1978 will average about 10 per cent above 1977.

Cost of production and marketing will further increase next year, reflecting rising wage rates, nonfarm input prices, transportation rates, and higher outlays for taxes, insurance, and interest. The recently announced anti-inflation program, including monetary and fiscal measures, is designed to moderate cost increases in the coming year, even though higher short-term interest rates will raise some costs.

Farm production expenses in 1979 are expected to increase slightly more than 6 per cent. Although much depends on the outturn of 1979 crops which are highly uncertain at this time, cash receipts from crops are expected to remain near 1978 levels as little change is expected in average prices or volume. Livestock receipts, however, are forecast to increase by about 7 per cent. These larger cash receipts, with increases in nonmoney income, will offset the higher production expenses. Net farm income will thus remain near the $26 billion now estimated for 1978.

Considerable uncertainty surrounds this forecast. The final results will depend on many domestic and foreign supply and demand factors which will unfold during 1978. This uncertainty is reflected in the probable forecast range of $23 to $29 billion.

The anticipated supply, demand and marketing cost conditions in the food sector point to further increases in retail food prices during 1979. However, smaller increases in farm prices are expected next year, and cost increases for marketing services, reflecting the general inflation rate, indicate that retail food prices will average about 7½ per cent above 1978. Grocery store food prices are expected to increase about 7 per cent, and prices for away-from-home eating to average about 8 per cent over the 1978 levels.

If food supplies should be larger than expected and wage and other marketing costs are slowed by anti-inflation measures, the food price increase could be as low as 6 per cent. Conversely, adverse weather causing smaller supplies of food, and higher marketing costs would increase prices, possibly as much as 10 per cent.

The farm value of a market basket of domestically produced foods is expected to increase 7½ per cent next year. However, the increase could range between 5 and 10 per cent, considering the usual uncertainties surrounding commodity markets. Nevertheless, this increase will be well below the 17-per cent estimated for 1978, barring very unusual conditions.

Marketing spreads, representing the costs incurred for processing, transporting, and distributing food products, are also expected to average about 7½ percent higher for 1979 than in 1978. The spreads could vary by a percentage point around this expected value, depending on the response to anti-inflation measures.

Prices for imported foods and fishery products (not originating on U.S. farms) will be slightly less than the expected increase for domestic foods. Coffee prices are expected to decline further, and a moderation in prices of other imported foods and fish is expected, relative to increases of the past few years.

Rural America examined

WASHINGTON. D.C. - After decades of pop ulation loss and economic decline, rural America progressed significantly in improving its social and economic condition during the 1970's, according to a new publication released by the U.S. Department of Agriculture.

"Rural Development Perspectives," prepared by the Economics, Statistics, and Cooperatives Service (ESCS), contains articles on many aspects of rural development, including population trends, women in the rural labor force, rural housing and volunteers in rural communities.

Although agriculture remains the major industry in many rural counties, over 66 per cent of rural residents have more than 90 per cent of their employment in other industries, reports ESCS demographer Calvin Beale in one of the main articles.

Rural women are joining the labor force in greater members, accounting for the vast majority of non-metro job growth in the 1960's. Expanding opportunities, changing family size and structure, inflation and a changing attitude toward female employment outside the home all help explain the rapid growth of rural women's participation in the labor force.

Rural housing conditions improved dramatically from 1950 to 1975, as the percentage of households in substandard units dropped from 59 to 8 per cent. Yet 1.9 million rural households lived in substandard housing in 1975, mainly low-income people, report ESCS agricultural economists.

Gardening tips given

MEDIA – Now that your vegetable garden is finished for the season don't be tempted to sit down and rest, because there are sever things you can do now to prepare for next year's garden, advises James J. McKeehen, Delaware County Extension agricultural agent.

Make sure your garden is covered for the winter. If you haven't planted a cover crop, cover the garden with old leaves to serve as a mulch and then next spring rake off most of the leaves.

Have your soil tested now. A soil test will tell you the fertilizer and lime needs of your garden. Contact the Delaware County Cooperative Extension Service at the Toal Building, Media for a soil sample mailing kit costing $3. (50 cents additional, to cover mailing costs if it is sent to you). The kit includes instructions for taking a soil sample. Soil scientists at the Pennsylvania State University will analyze the sample, then send you the proper recommendations.

Start thinking about the vegetables you'd like to plant next year. Learn from trial and error in this year's garden. Select old faithfuls, and decide whqt new varieties and kings to try. If you follow such an end-of-season program, your garden will be in good shape, and you'll be raring to go when the new seed catalogs come out.

Farm census shortened

WASHINGTON, D.C. - The United States questionaires will soon be mailed to the nation's farmers and ranchers to arrive in January.

Due to complaints from farmers', the forms have been reduced from the previous 22 pages to four or five pages, this year.

The census questionaires have been advanced one year to phase with the ten year cycle of other economic censuses. The information which has been collected since 1840, is limited to land ownership, land use, crops, poultry, and livestock, total value of products sold and operator and farm management characteristics.

This year the census will also include a question concerning land held under foreign ownership. Answers will help to measure the increase of farm land being held by foreign interests.

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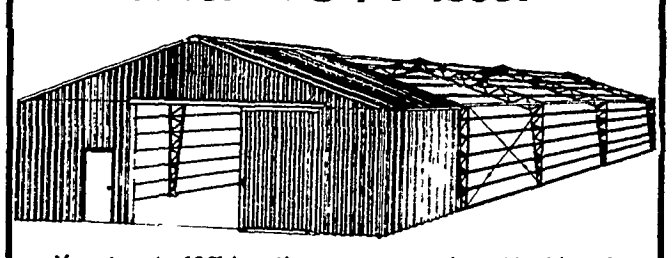

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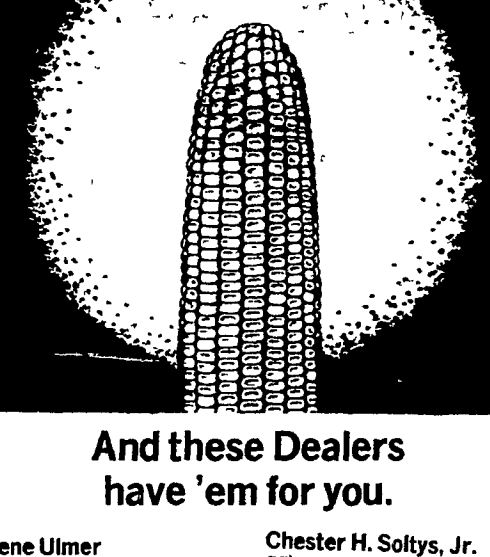

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Montgomery County DHIA records summarized

NORRISTOWN - J. Harold Keener, attributing his success to good feed, was singled out recently for having Montgomery County's highest DHIA average.

The Keeners have farmed for two years on the Newton Moyer Farm, Telford. Harold says the herd did well because of good feed. He feeds corn silage and wilted sudax along with brewers grain and grain mix. All the feeds are mixed together in a bunk feeder.

Keener's best cow family has come from Keystone Queen Tracey, classified VG-88. They acquired her while working for the Seipts at Keystone Farm. Both their high production and highest classification come from this family. Four of the offspring of Tracy include Keenline Juno Trinket, VG-86, (granddaughter). Keenline Joyful Trumpet, GP-82 (daughter). Keenline Joyboys Trix, VG-87, is a granddaughter, along with Keenline Be Treasurer, GP-82.

The last record of these five cows averaged 18,792 pounds of milk, with a 3.92 per cent test and 726 pounds of butterfat.

Keener's herd of 38.3 Holstein cows averaged 18,913 pounds of milk and 755 pounds of fat.

Harold and Marily Halteman, Telford, with 58.7 Holsteins, averaging 18,652 pounds of milk and 700 pounds of fat, were ranked second in the County. Harold says the herd did well because of a good roughage program. He feeds mostly clover hay, corn and grass silage. This herd was high County herd in 1977, 1976, and 1974, and ranked second in 1975.

Ranking third in Montgomery County was the herd of Richard A. Bechtel, Harleysville. His herd of 42.3 Holsteins averaged 17,771 pounds of milk and 683 pounds of fat.

DHIA records continue to be made throughout Pennsylvania with the state averaging 548 pounds of fat and 14,475 pounds of milk, the highest ever, stated Montgomery County Agricultural Agent Joseph H. Way. There were 214,395 cows on test in Pennsylvania also the highest ever. Way said there is a major campaign planned for 1979 to increase herds and cows on test in the state.

Way was encouraged at the number of Montgomery County dairymen and younger families that are topping the list of high producing herds.

The results of Montgomery County's 63 herds on full year test out of the 3876 test herds in the State, are as follows. The average number of cows in the Association numbered 4059, out of the 214,395 in the state. The average number of cows in a herd averaged 64.4, while the State's average was 55.3. Montgomery County herds averaged 3.9 per cent milk fat, .1 per cent

(Turn to Page 31)

Merrill Mest, Obelisk representing the Montgomery County Dairy Herd Improvement Association presents awards to the county's top dairymen. Shown left to right are Harold Keener, Telford, who herd of 38 Holsteins averaged 18,913 pounds of milk and 755 pounds of milkfat during the testing year. Harold Halteman, Telford, whose 59 holsteins averaged 18,652 pounds milk and 700 pounds of milkfat, and Richard Bechtel, Harleysville whose 42 holsteins averaged 17,771 pounds of milk and 683 pounds of milkfat. Awards were made at the Association's Annual Banquet at Christopher Dock School attended by 330 dairymen and their families.

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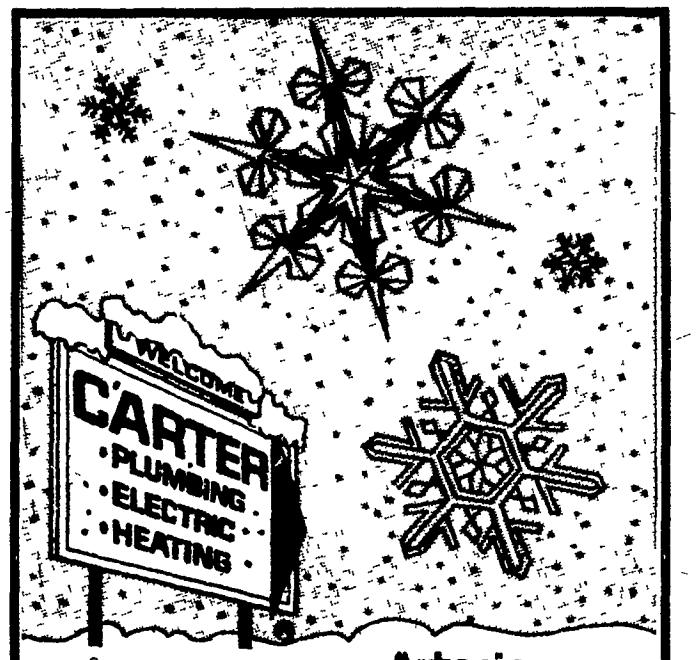

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Montgomery County

(Continued from Page 30)

higher than the state average. Cows pumped out 13,831 pounds of milk, and the State average was 644 pounds higher. Milk fat in the County averaged 534 pounds, 14 pounds less than the state average. Value of the product was $845 for the County and $857 for the state. Hay costs per cow were $106 compared to the State's $101, other costs were $164, compared to $175. The average grain cost per cow was $359 while the State averaged $16 less. Pasture, at $19 was $3 less than the State average. Total feed average per cow was $648, $7 more than the State average. The value of the product above feed cost was averaged at $845 for the County, and $12 more, $857, for the State.

Compared to last year, Montgomery County has dropped in the number of cows on test by 76, but has increased pounds of milk produced by 175 pounds. Milk fat production has remained the same at 534 pounds.

Herd owners with the greatest increase in butterfat averages, ranked one to ten, were 1. J. Harold Keener, Telford; 2. Fred L. Sepit, Landsdale R1; 3. David P. Longacre, Hereford; 4. Daniel E. Kolb, Spring City R1; 5. Paul Weaver, Royersford; 6. Curtis N. Kratz, Souderton; 7. Walton Hackman, Hatfield; 8. Alvin D. Delp, Souderton R1; 9. George Sterner, Bechtelsville R1; and Henry B. Gottshall Royersford. The purpose of these rankings is to recognize herds making steady year to year progress and to give more credit for increasing production on herds already on a high level of production.

The high ten cows in butterfat production (all Holstein) were also ranked. Harold K. Halteman owned the first place cow, Pat, a Holstein which milked 24,420 pounds and 1104 pounds of fat. J. Harold Keener owned the second place cow, Pearl, which milked out 26,623 pounds of milk and 1083 pounds of fat. Robert Moses' cow, 92, pumped out 18,491 pounds of milk and 1072 pounds of fat, obtaining third place. Harold Halteman also took fourth with Sherry, a cow that milked 23,083 pounds of milk and 1031 pounds of fat. Fifth place went to Henry B. Gottshall as his cow C57 yielded 23,464 pounds of milk and 1025 pounds of fat. Harold Keener, took six place with Fammie who pumped out 27,296 and 997 pounds of milk and butterfat, respectively. James Stutzman & Sons placed seventh with their high producer, Norma, who produced 22,014 pounds of milk and 976 pounds of fat. Boop, owned by David P. Longacre ranked eighth as she milked 24,924 pounds of milk and 927 pounds of fat. Coming in ninth was Bobbie, owned by George Sterner of Bechtelsville R1. This cow milked 23,412 pounds of milk and 958 pounds of fat. Another cow owned by Robert Moses placed tenth. His cow 179 pumped out 26,731 pounds of milk and 955 pounds of fat.

In the milk production race, Fammie, owned by J. Harold Keener took top honors. Fammie also placed sixth in the butterfat. Robert Moses' 179 captured second place. Pearl, owned by J. Harold Keener, came in third with 26,623 pounds of milk and 1083 pounds of fat. Fred and Wilbur Seipt, Lansdale R1, owned the fourth place cow, Muriel, who produced 25,314 pounds of the white fluid with 923 pounds of fat. Robert Moses, Schwenksville R2, placed fifth with 220, who milked 25,063 pounds of milk and 851 pounds of fat. James Stutzman & Sons, Schwenksville R1, owners of Lot, placed sixth as the cow pumped out 24,976 pounds of milk and 795 pounds of fat. Billie, owned by David P. Longacre, had 24,972 pounds of milk and 902 pounds of butterfat. Boop, also owned by Longacre, placed eighth. Ranking ninth was 99, owned by Robert Moses. The cow milked 24,444 pounds. Pat, owned by Harold Halteman placed tenth. Pat was also the first ranked cow in fat production.

The following is a list of DHIA yearly herd averages that produced above 550 pounds of butterfat.

J. Harold Keener
38.3 H 18,913 755
Harold K. Halteman
58.7 H 18,652 700
Richard A. Bechtel
42.3 H 17,771 683
Henry B. Gottshall
61.9 H 17,206 673
E.N. Halteman & Son
44.4 H 16,842 669
W.B. Saul High School
12.9 H 17,733 652
Merrill Mest
32.1 H 15,867 646
Charles Rhoads
39.2 H 16,582 644
Fred & Wilbur Seipt
124.8 H 15,995 638
Du Mar Farm
51.4 H 17,157 627
David P. Longacre
84.1 H 16,928 627
Robert Moses
89.7 H 16,421 621
E. Jay Renninger
114.2 H 16,015 620
George Seneko, Jr.
49.4 H 15,906 619
Merril G. Ruth
56.1 H 17,370 615
Roy S. Kolb
52.8 M 16,021 603
George K. Sterner
81.6 H 15,165 603
Robert L. Freed, Sr.
41.7 H 15,671 598
Paul W. Weaver & Sons
47.5 H 15,300 594
Warren H. Alderfer
25.4 H 15,780 584
Maynard Rothenberger
123.7 H 15,327 584
Gordon Moser
40.8 H 15,707 583
Kenneth P. Schultz
45.5 H 14,076 572
Gehringer Brothers
57.6 M 14,207 571
Kreibel Brothers
29.3 H 14,565 570
Daniel E. Kolb
49.4 H 14.811 565
Lalisa Holsteins
55.5 H 14,584 560
Windemere Farm
25.6 H 14,380 558
Robert W. Wolfgang
39.7 M 14,136 555
Woodson Farm
47.3 H 15,102 552
Alvin D. Delp
37.8 M 13,846 551
S. Horace Mowrer & Son
122.7 H 14,323 550

Milk-feed price ratio zooms

WASHINGTON, D.C. – U.S. milk production continues off slightly from the 1977 pace, but both prices and the milk-feed price ratio have zoomed. October milk output, at 9.8 billion pounds, was only fractionally below that of a year earlier, according to USDA.

It marked the eighth straight month that output has been below that of a corresponding month a year earlier. Still production for the first 10 months total 103.1 billion pounds, down only 1 per cent from a year ago and two per cent above that for 1976.

Prices of all milk sold to plants in October averaged $11.20 per hundredweight, up from $10.90 in September (and October 1977's $10.10 per hundredweight and record high for the thrid straight month.

Meanwhile, the milk-feed price ratio (pounds of concentrate ration equal in value to 1 pound of milk sold to plants) hit 1.83 for October, up from 1.81 in September an 1.79 in October 1977. For the record, the all-time October high was 1.85 set in 1968 and tied in 1969 and the all-time record high for any month was 1.88 established in November 1971.

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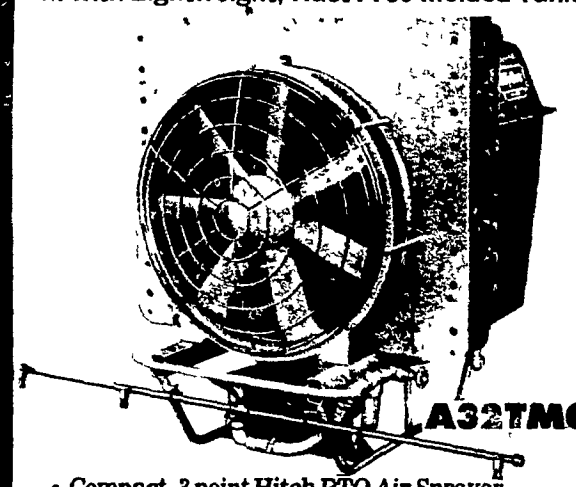

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Lancaster Co. 4-H'er wins scholarship

LANCASTER, Pa. - A freshman at Pennsylvania State University has been named winner of a $400 4-H Agricultural Careers scholarship.

Philip Risser, Leola R1, was among 15 young people who received scholarships from DeKalb AgResearch, Inc. Young people from 20 states are eligible for the scholarships.

The awards were announced during the 57th National 4-H Congress in Chicago Nov. 26 to 30. Winners were selected by the Cooperative Extension Service.

Risser, son of Mr. and Mrs. Allen K. Risser, plans a career in agricultural engineering. He is a nine-year 4-H'er.

Philip Risser

The Lancaster County youth has been experimenting with no-till corn seeded in crownvetch. "A trip to Penn State's research plot and now executing these methods on our farm took much time and effort, but if they work it will be worth it," the youth said.

Another challenging 4-H project was trying to increased the yield and profitability each successive year of sweetcorn. "I worked to accomplish this by using fertilizer, weed and insect spray and better hybrids," he said. "This project was especially important because it introduced me to real farming at an early age."

Since the age of seven, Risser has been responsible for raising some or all of the family's dairy heifers. "This taught me to be responsible, for there is no better way to learn to be responsible than to be given responsibility," he said.

"In addition to teaching me responsibility, I have gained the practical knowledge of how to raise calves – which methods work and which ones do not," Risser added.

The youth also helped plan and then build a new heifer facility, which he said gave him the opportunity to research modern methods of raising heifers.

Meeting scheduled

WEST CHESTER — A short business meeting will be held including the election of officers for the County Extension Board of Directors on December 8, beginning at 7:30 p.m.

Suzanne D. Iseminger, Chester County's International 4-H Youth Exchange representative will share her experiences of living in Belgium. she will show slides of her recnet four months' stay.

The meeting will take place in the Central Chester County Vacational Technical School cafeteria, 1635 E. Lincoln Highway, Coatesville. Those who plan to attend must pre-register by December 4.

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UNIVERSITY PARK - Gardeners propagating a variety of plants need small greenhouses to provide warm, humid conditions with plentiful light year round.

According to a Pennsylvania State University correspondence course on home greenhouses, there are two basic types: the lean-to or attached, and the free standing. The lean-to is built against an existing structure, but the free standing is separate. Selection depends on your home structure and whether you use your home furnace for heat.

Artificial heat must be provided. Hot air, steam, and hot water are some ways to distribute heat. Selection of heating system depends on size of greenhouse, fuels available, cost, and personal preference.

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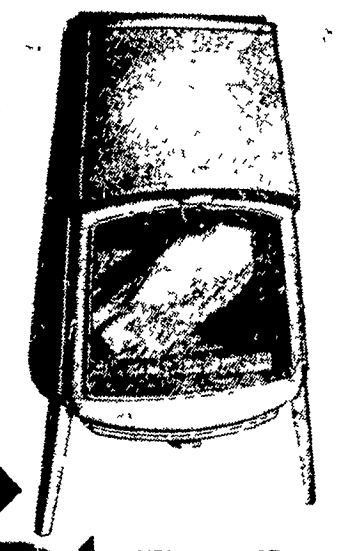

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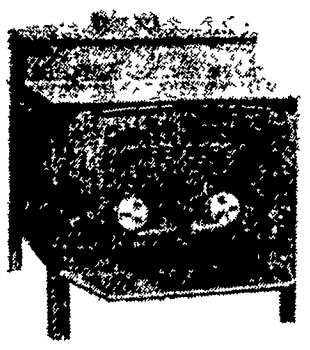

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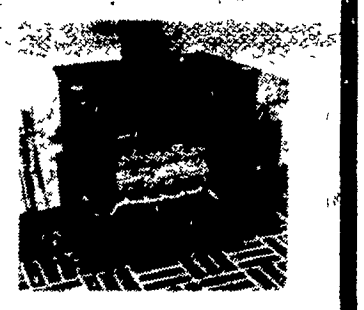

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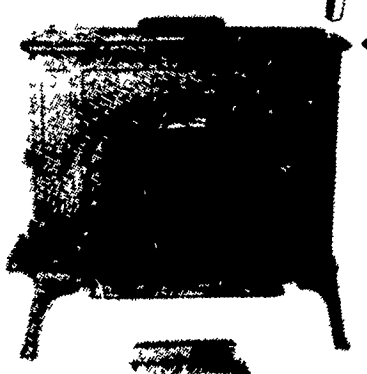

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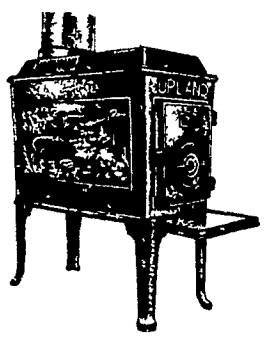

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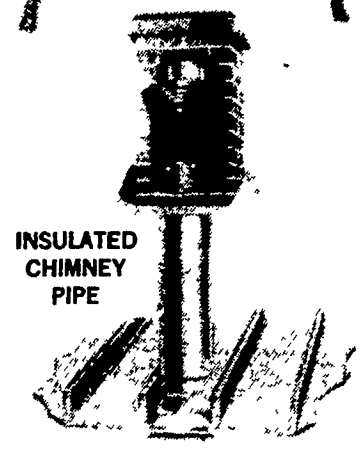

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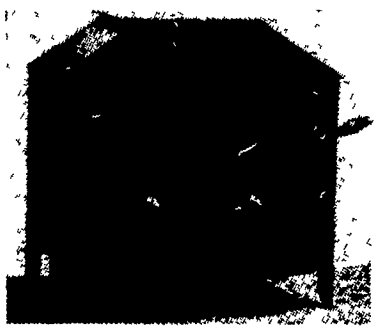

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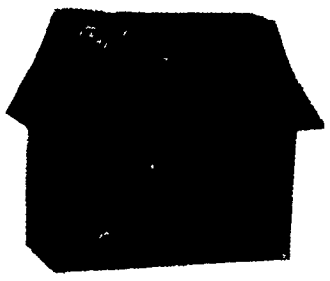

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Nancy Freed chosen dairy princess

Nancy Freed, daughter of Mr. and Mrs. Robert Freed, Harleysville was selected as 1979 Montgomery County Dairy Princess during recent competition held at Christopher Dock School and attended by 330 dairymen and their families. Alternate selected was Dana Geyer, daughter of Mr. and Mrs. Thomas Geyer, Harleysville. Other contestants included, standing (L to R) Teresa Kopistecki, daughter of Mr. and Mrs. Stanley Kopistecki, Royersford; Judy Kolb, daughter of Mr. and Mrs. Daniel Kolb, Spring City; Martha Gehringer, daughter of Mr. and Mrs. Paschal Gehringer, Bally. Sharon Ruth, daughter of Mr. and Mrs. Merrill Ruth, Telford, the 1978 princess who crowned the new princess; Donna Geyer, daughter of Mr. and Mrs. Thomas Geyer, Harleysville; and Marilyn Seipt, daughter of Mr. and Mrs. Fred Seipt, Lansdale. Seated left to right are Betsy Wismer, daughter of Mr. and Mrs. Charles Wismer, Trappe; Miss Freed and Miss Geyer.

The new princess will help promote milk and the county dairy industry during her yearly reign.

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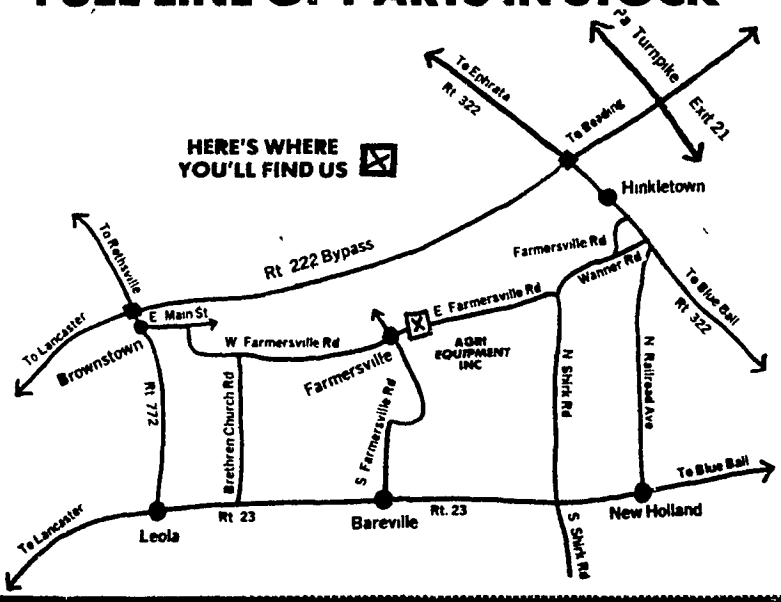

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Farm Bureau director says Congress responds to farmers

DES MOINES, Iowa - While Congress often creates problems for agriculture, it still responds better to the needs of farmers and ranchers than does any other branch of the federal government, John C. Datt said here Thursday.

Datt, director of the American Farm Bureau Federation's Washington, D.C. office, said that during the past year, the House and Senate have passed numerous pieces of legislation helpful to agriculture.

"On the other hand," he added, "the administrative agencies of government have continued to impose unnecessary regulations on agriculture, and the administration has acted to keep farm prices from rising."

Datt spoke at a public policy conference held in connection with the annual meeting of the Iowa Farm Bureau Federation here.

Datt said that Congress in 1978 adpoted a tax bill which will be particularly helpful to farmers. He noted that the new legislation enacted this year reduces the capital gains tax, makes permanent the 10 per cent investment credit, and defers until 1980 the carryover basis provisions of estate tax law.

"Congress revised and improved the farm pesticide law, enacted a new farm export expansion law, and improved farm credit legislation," he said.

The Farm Bureau spokesman said Congress "made a good record in 1978 because farm families did a good job of letting their representatives and senators know what they needed."

He contrasted the record of Congress with that of the federal regulatory agencies, which he said, "continue to meddle in the affairs of production agriculture by imposing unreasonable restrictions on the use of agricultural chemicals and drugs."

"The administration, too, has been less than helpful," Datt continued. He cited President Carter's veto of a beef import quota bill and the administration's insistence on legislation which, he said, "will not solve our energy problems."

Datt predicted that farmers will continue to fare well in the new Congress which will convene in January. He cited crop insurance legislation, a farm marketing and bargaining bill, and a bill to remove existing or threatened restrictions on the use of natural resources as among the more important pieces of legislation to go before the lawmakers.

Positive attitude

(Continued from Page 10)

he was looking only at other cooperatives, explaining: "I didn't like the record of private dealers ... they just drop you when there's too much milk on the market."

It is comments such as these which provide evidence that farmers are no longer taking their market for granted.

Surely, all of a farmer's investments and labors are in vain if he has no place to sell his products. Dairylea members want to make marketing a true part of farming. They are looking at marketing as a real investment. They're banking on and bargaining for security. There is a lesson in that for other dairymen, and perhaps it can serve as an example too.

Nobody at Dairylea can fully guarantee that the recently enacted capitalization program will solve all of the cooperative's problems. But there's little disagreement that the plan is on the right track. The management and membership of the cooperative are to be commended for the effort. It was a big undertaking, involving worrisome decisions. We hope the final outcome will match the expectations of a Snyder County member who said: "It may make us the Cadillac of the dairy business, but I hope all farmers have a good market."

In extending best wishes to Dairylea, which as had its share of problems and astronomical debts, I wish the entire dairy industry a smoother road in marketing.

Eastern Milk Producers Cooperative, Lehigh Valley Cooperative Farmers, Inter-State Milk Producers, and Maryland Cooperative Milk Producers have also made some monumental decisions during the past year in hopes of offering better marketing situations to their dairy farmer members. They deserve our best wishes.

And even though we singled out dairy cooperatives for this editorial, other marketing organizations and cooperatives might also be included in the final analysis. In my opinion, the farmer-producer is wise to make investments for marketing security - whether it's milk, eggs, vegetables, or wool.

I'm happy to know the idea is catching on.

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Hisex White	$4.70	248.9	3.93	9.2%
Hubbard Leghorn	$4.70	249.3	3.94	7.6%

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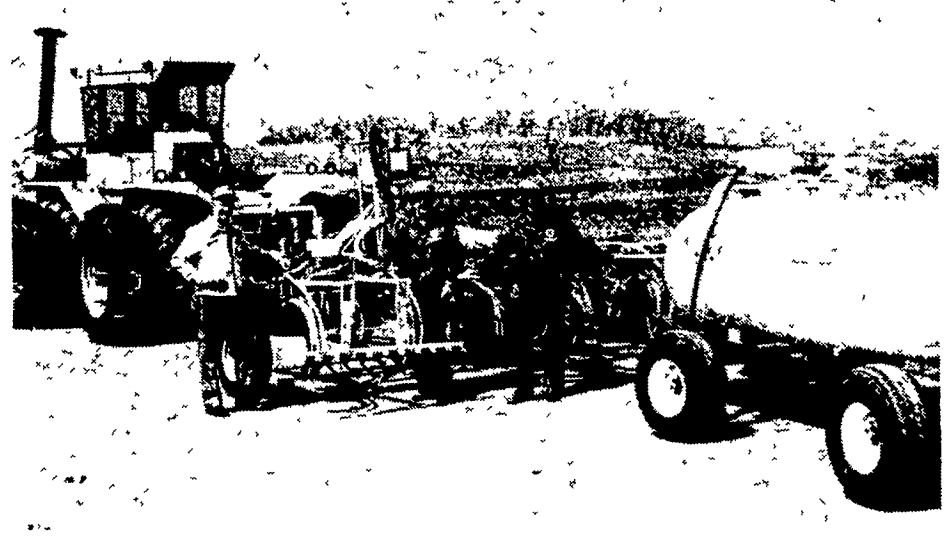

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A continuing trend

Newer tractors are speedier pullers

RACINE, Wis. - For several decades the entire farm tractor industry has been moving in a well-defined product pattern. What has evolved from the drawing boards of the tractor designers during this time is a sleek and trim, high-powered thoroughbred vehicle that weighs less and is able to farm faster.

Figure No. 1, showing the industry averages for performance of tractor (Nebraska Test Data), demonstrates a dramatic decline in both the ballasted and unballasted weight. Since the early 1960's average ratio of ballasted tractor weight to PTO/hp has decreased from 160 pounds per PTO/hp to an average of 115 pounds.

Today's tractors are sleek and trim, boasting new highs in horsepower-to-weight ratios. Some farmers are using the extra horsepower to pull larger implements, but research at the J I Case Company suggests they ought to look at the production gains they can realize by putting that horsepower to work in a Rapid Farming System.

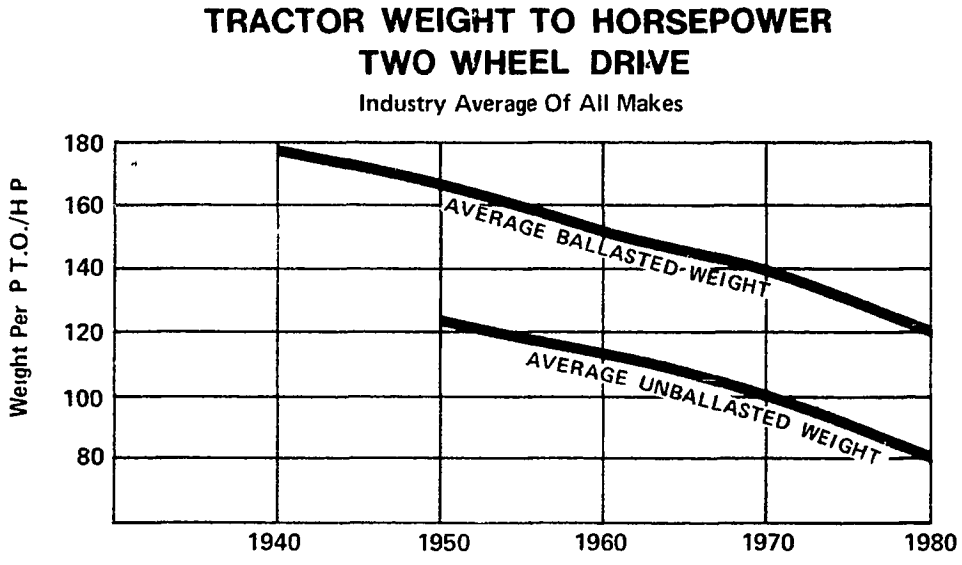

Figure No 1

Simply stated, this concept of higher horsepower-to-tractor weight means today's farmer can increase his production by using what some people have termed The Rapid Farming System. If a farmer purchases a tractor with 25 per cent more horsepower than the one he is using, he can cover 20 per cent more ground using the ground working tool he already owns.

For example a 100 hp tractor pulling a 20 foot disk harrow at 4 miles-per-hour effectively cover eight acres per hour. A 125 horsepower tractor pulling the same 20 foot disk harrow at 5 mph will effectively cover 10 acres per hour.

The alternative to going-faster using the same implement is to use the extra horsepower to pull a new, wider implement. But it is a mistake to assume that, in all cases, 25 per cent more horsepower will necessarily allow the farmer to increase the implement size by the same amount. Here's why:

Drawbar horsepower is a function of speed as well as drawbar pounds pull. Therefore, you can transmit more drawbar horsepower at higher speeds. The Drawbar Performance Chart, Figure No. 2, shows that the maximum drawbar horsepower is always achieved at the higher rate of travel speed (usually in the 5 mph to 6 mph range) and never at the highest drawbar pounds pull.

Another plus factor for using the Rapid Farming System is that reliability of tractor can be remarkably increased as the operator farm faster.

In a test conducted by the J I Case Company Engineering Department it was determined: "there is

(Turn to Page 36)

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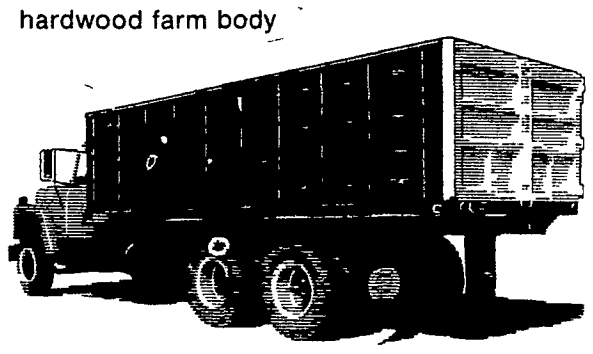

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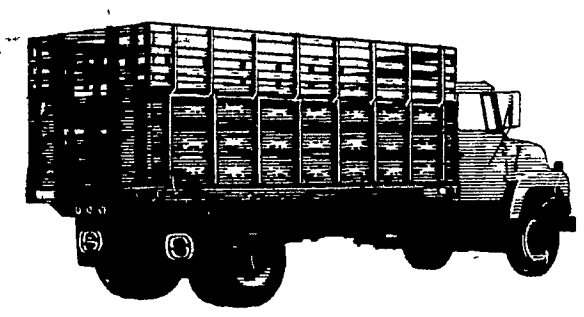

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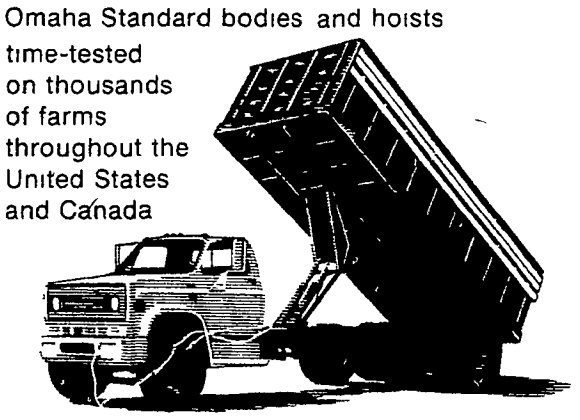

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149 23 (111.28)	6495 (28.89)	8 62 (13 87)	2100	3 38	9th (3-H) Gear

Newer tractors

(Continued from Page 35)

9½ times more strain on a transmisssion when a tractor is operated under continuous load at 2 mph as compared to one being run at 6 mph."

It takes basically the same drawbar horsepower, but much less draft load, to pull a 20-foot disk at 5 mph as it does to pull a 25 foot disk at 4 mph. Therefore, even if the farmer works the same number of acres, from a tractor reliability standpoint, it is to his advantage to farm faster with the smaller implement.

The question of traction

Most problems of excessive wheel slippage occur when tractors are overloaded at the drawbar and required to go lower travel speeds (4 mph or less). But, by farming at higher travel speeds with the proper sized implement, the result is lower draft forces and improved traction. J I Case researchers suggest farmers always match implements to the power of the tractor so that you can travel is 5 mph or faster. Ideally, the implement is then sized correctly to the tractor.

There are some field conditions that will necessitate a slower than 5 mph speed.

Additional points worth remembering for getting the most production out of higher horsepower-to-weight tractors are:

1. Less weight on a tractor means a reduction in rolling resistance and, consequently, less effort required to propel the tractor through the field. When increasing rolling resistance by overweighting the tractor, it soaks up drawbar horsepower at an alarming rate and wastes fuel.

2. Less total tractor weight reduces soil compaction and can result in greater yields and increased returns at harvest time.

3. Most 2 and 4-wheel drive tractors equipped with cabs and protective frames since October 26, 1976, have a pre-established maximum permissible working weight limitation posted inside the cab for roll-over protection. Farmers should never exceed these maximum recommendations when adding weights or ballast to their tractors.

How Fast Do You Farm?

When farmers are asked, "How fast do you farm?" ... the most common answer is "As fast as I can!" Considering the pressures and time limitations farmers have to cope with in their farming operations, this is an obvious answer. But as Case researchers point out, if he is not working his modern high horsepower-to-weight tractor at the optimum speeds, he probably is losing valuable field time.

The high horsepower-to-weight tractors are here today and in many and varied forms for farmers to utilize in their operations. And the future undoubtedly calls for even higher horsepower tractors - both 2-wheel and certainly 4-wheel drive tractors.

Right now, some manufacturers are talking about 5 to 7 mph farming. Within the next decade we could possibly be basing our farming operations on 8 to 10 mph tractor working speeds.

Those future tractors will be specially engineered for increased operator comfort and will include sophisticated control systems that will compensate for the higher speeds.

A farmer who believes in the Rapid Farming System, and puts it to practice, will improve his productivity - lower his farming costs - and realize a greater return on his tractor and implement investments, Case researchers conclude.

Demonstration set

WEST CHESTER — A workshop on Greek Cookery will be held on December 6, from 9:30 to 11:30 a.m. at the Chester Co. Federal Savings and Loan Community Room, Market and High Streets, West Chester.

Included will be an introduction to Greek cookery with the demonstration focusing on the preparation of a main dish and a dessert. It will be presented by Dorothy Karabetsos Daily.

This is a free workshop, but those attending must pre-register by December 4.

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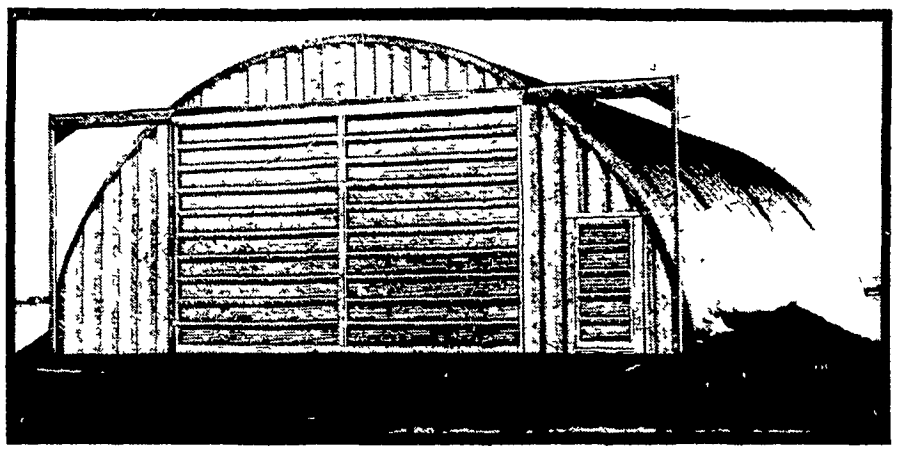

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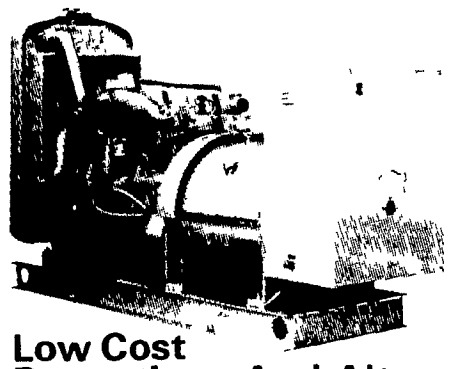

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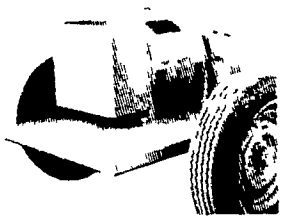

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The cooperative spirit prevails at Dairylea

By DIETER KRIEG

LITITZ — Dairy farmer members of Dairylea Cooperative are basically enthused about what's happenening with their organization, despite thousands of dollars worth of assessments that have been heaped on them during the past several years. Dairylea, which is headquartered in Peail River, N.Y. and has a membership of 5500, with about a quarter of them in Pennsylvania, assessed its members four years ago and lost some friends in doing so. Earlier this year more deductions from milk checks followed and some grumbling was heard.

The grumbling hasn't ended and there is no denying that the cooperative has lost a number of its supporters during the past four years. Nevertheless, considerable enthusiasm abounds within the membership despite the debts, losses, and negative developments.

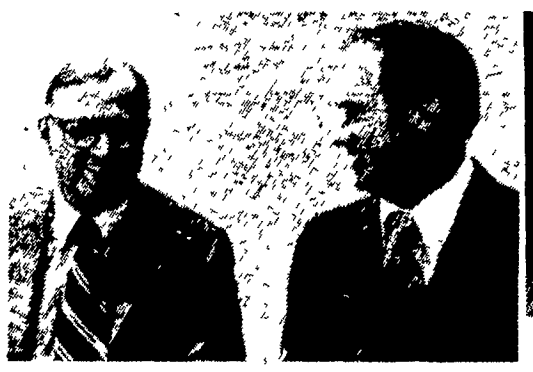
Union County dairy farmer Eugene Spangler calls the capitalization program (see page 1 story) "probably a step in the right direction." He decided to stay with the cooperative even after having considered other alternatives and having been hit with a $12,000 assessment on the production of his 70 cows.

"The capitalization steps will help to alleviate other situations - they'll eliminate some loopholes - they're going about it in a sound, business-like manner now," Spangler continued. "We're doing things now that should have been done eight or ten years ago," he added.

Stating that he has mixed feelings about the overall situation he has experienced at Dairylea, Spangler admitted he looked at other marketing channels before he decided to stay with the cooperative. He looked only at other co-ops, however, explaining that he "didn't like the record of private dealers."

Ray Diebold, an outspoken Blair County dairyman who has been a Dairylea member for six years says he considered the old financing plan anything but wise. He was one of 13 men (one from each of Dairylea's districts) who looked into the cooperative's financial structure two years ago. He said he personally was surprised at the way business was conducted and is happy to see the introduction of more business-like principles.

Now, after recommendations from professioanl management consultation firms, the old form of capital is being turned into non-interest bearing notes. "Previously there wasn't any investment in the co-op," the 38-year old dairyman revealed.



Robert Pardoe

Fred Denman

Dairylea Cooperative's new management team is headed by executive vice president and general manager Robert Maerz, left, and Clyde Rutherford, president.

"We got rid of the interest-bearing due-dated notes. The finances of the cooperative were outside of the membership before because up to 60 per cent of the certificates of indebtedness were sold by farmers to machinery dealers, feed millers, etc. I was amazed at the percentage of ownership by non-dairymen," Diebold continued.

"I'm pro-capitalization, although - believe me - it's been hurting me from month to month," the Blair Countian went on.

Like many others, Diebold checked around for other marketing possibilities. Order 4 is strongly represented in Balir County, but he found out that to have switched to that market would have meant building a base at a greater cost than the assessment he owed to Dairylea.

"I firmly believe Dairylea will do alright once we get these certificates of indebtedness out of our hair," Diebold emphasized. "They have been a cross to Dairylea.

Expressing amazement at the kind of response Dairylea is having with the plan of offering holders of the old certificates 53 cents on the dollar, Diebold believes, however, that much more has been paid. He hasn't forgotten the previous assessments which kept Dairylea alive during years gone by.

Diebold is also aware of the costs of the program, as is every other Dairylea member. According to a letter from Dairylea President Clyde Rutherford, the capitalization program expenses through Sept. 30 were pegged at $547,000. Deductions from members' milk checks are taking care of that tab.

Diebold takes comfort in the thought that he is investing in marketing security. "It's awful nice to know that somebody is going to pick that tankful of milk up," he commented. "I mean some of those private dairies they don't offer that security - they can cut you right off. Diebold is looking at his marketing investments as representing a lower income for him now, but possibly a longer, steady income in the long run. "I'm looking at the steady money, not the quick buck," the dairyman concluded.

Lee Shaffer of Selinsgrove was hit with a $15,900 assessment and he's still with Dairylea. He has been a member for 22 years and his father was before him.

"This capitalization makes us maybe the Cadillac of the dairy business, but I hope all farmers have good markets," he stated.

Echoing comments of many Dairylea members, Shaffer exclaimed: "This new manager, Robert Maerz, is terrific. If it weren't for him, I'm sure we wouldn't have the dairy anymore.

According to Shaffer, not too many dairymen in his area considered leaving the cooperative. "Not too many fought the plan; I know I didn't," he concluded.

"Without cooperatives it would be every farmer for himself," says Dairylea director Robert Pardoe. He operates a 254-acre farm near Milton in partnership with his son, Robert, Jr. They have a total of 145 Holsteins.

"I'm investing in the cooperative simply because I believe this is the direction we've got to go," Pardoe noted. "Bear in mind that private handlers dropped dairymen last Spring and now they want'em back. There is more security in marketing through a cooperative."

(Turn to Page 38)

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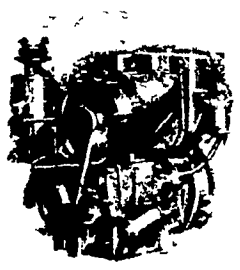

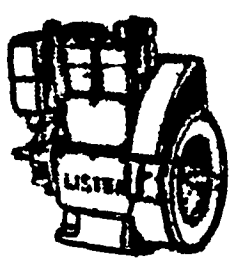

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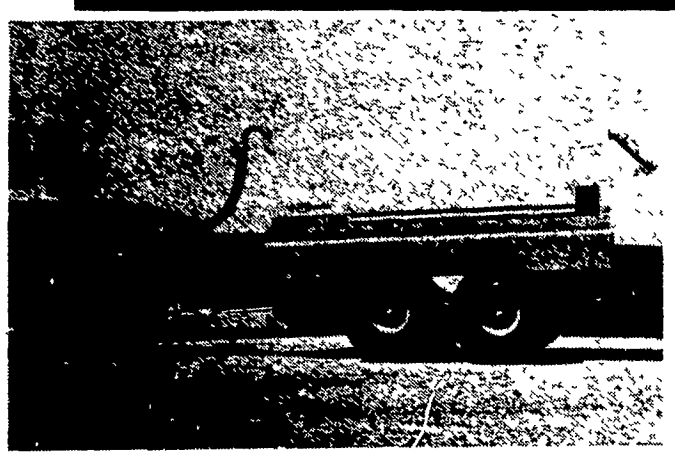
WHAT'S NEW



SILO UNLOADER

The Farm-Eze Dyna Might surface drive silo unloader is the third in the new Dyna-line series of unloaders offered by Farm-Eze, a division of Toledo Stamping and Manufacturing, Incorporated, Dubuque Division. According to Farm-Eze, it is an economical, high-volume machine that effortlessly handles all types of haylage or silage. The Dyna Might, recommended for use in 12 by 16 foot diameter silos, was thoroughly field-tested before it's recent introduction. The high-speed auger and direct drive impeller are matched for smooth, steady flow of material down the chute. The unloader also features a tapered, plug-resistant auger with double fittings at the end wall; and a six-bladed wall cleaner.

Farm-Eze dealers in the United States and Canada will be featuring the new Dyna Might unloader, along with other Farm-Eze equipment. For more information write: Farm-Eze Dyna-Line, 32nd & Jackson Street, Dubuque, Iowa 52001.

SLURRY SPREADER

A new liquid manure spreader, available in 2,200 gallon and 3,200 gallon capacity models, has been introduced by A. O. Smith Harvestore Products, Inc., headquartered in Arlington Heights, Ill.

The Slurrystore system spreader is marketed in both pull-type and truck-mounted models. The pull-type offers broadcasting and/or soil injection. The four-chisel tractor mounted plow-down soil injector means minimum odor during spreading, even application, and more uniformity in volume distribution. For long hauling distances and broadcasting, the truck-mounted spreader may be desirable.

The pull-type spreader features tandem axles, flotation tires, and walking beam suspension. Allowing easy conversion from spreader to injector action, the unit's front mounted pump has a minimum of moving parts. Emergency port can be easily and quickly drained. Self-opening and closing filler hatch eliminates spillage during hauling. Level indicator is located up front for easy visibility. Baffles prevent surging, reduce tank stress.

The plow-down soil injector attachment is mounted on a tractor three-point hitch ahead of the slurry tank, and may be raised or lowered depending upon soil condition and desired depth of penetration.

Four injector units are mounted on the basic tool bar.

For more information, contact: Harold Davis, director of marketing, A. O. Smith Harvestore Products, Inc. (312) 439-1530.

SPRAYER

The new 302 pulled sprayer offers high volume and a lower center of gravity, according to Ag-Chem Equipment Company, Incorporated. A lower center of gravity is to provide more stability over rough and hilly fields. The longitudinally mounted high capacity tank lets the tractor operator see over the top of the tank. The 300 gallon polymer tank system has a 2 year guarantee. According to the manufacturer, the pump is easy handling and will resist cracking, punctures and impact shatter. Tank features PTO driven 30 gallons per minute pump, full length stainless steel sparger, large gathering sump and catwalk access to fill well.

Tongue and frame are constructed from 3/16 inch channel. Tubular steel cross members support 3500 pounds rated axle. Wheel strut slides on steel beam from center to a maximum 95 inch spread. Wheel size is 6 x 15.

The 302 sprayer is available with 28, 35, 40 and 47 foot double folding booms. Booms fold up out of the way for turning clearance, sotrage and easy access to tank lid. Folding booms are 14 gauge 1½ inch x 1¼ inch tubular steel with swing away mounting – lets boom absorb impact and automatically return to spray position. Center-fed booms with selectable nozzle spacing, provide low pressure drop and accurate application. All boom plumbing is EPDM corrosion resistant hose. A 2 x 2 inch tubular boom tree is height adjustable from ground to 48 inches to allow easy crop height adjustment and side dress application with drops.

For an illustrated brochure, write Ag-Chem Equipment Co., Inc., Industrial Park, Jackson, Minn. 56143, Attention: Tractor/Trailer Sales, (507) 847-2690.

NOW! Before It's Too Late! Practice FARM SAFETY

Roller skating party planned

LANCASTER — All Lancaster County 4-H'ers and their families are invited to skate at the Greenfield Skate-A-Rama on December 18 when the County Council will sponsor a skating party.

Time of the event is from 7 to 10 p.m. Tickets cost $1 and can be bought from any County Council member or at the door. Skates can be rented bor 75 cents.

The cooperative spirit

(Continued from Page 37)

A secretary of Dairylea until last year, Pardoe says the old capital program was burdened with interests on all of the assets. "Nothing was ever owned," he admitted. "It was all debt capital which revolved every ten years and had to be paid back with interest. Another burden was, and continues to be, the balancing of milk supplies. A cooperative is not free to just drop members when milk gets to be too plentiful."

"We assume the obligation of handling the members' milk. The private handlers pick and choose. They oftentimes end up with the more desirable shippers and they may be able to pay a little more because of that. But they offer little security. Milk marketing is a highly competitive business with extrememly narrow margins," Pardoe exclaimed.

Chester County dairyman William Freese of Oxford says the capitalization plan sounds good to him. "I'm sure it's going to do the job they say it's supposed to," he commented. "I give the new general manager a lot of credit. Actually, the plan itself didn't impress me as much as the new management."

Fred Denman, a New York State dairyman, and director of Dairylea, believes the new financing program will be a "tremendous turnaround" for the cooperative. He's pleased that only a small percentage of farmers left after the plan was brought up for consideration.

Under the new management team and the new programs, overhead costs have been reduced "considerably," says Denman, and product sales are being pushed.

"Dairylea is now in a position to do business with anyone they want to. The management has been doing a tremendous job. I'm very confident we're going to be in a leadership position again," Denman concluded.

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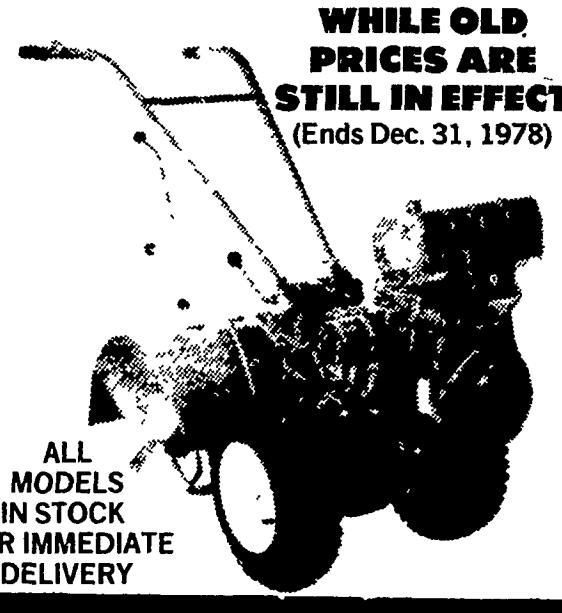

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Big business farming affected by politics

By
Dr. George S. Bensen
President
NATIONAL EDUCATION PROGRAM

SEARCY, Ark. - As farming became big business in America and as the number of farmers dwindled from 80 per cent of the population to 4 per cent of the population, it became good politics to regulate agriculture "on behalf of the poor".

The anti-polutionists started a big campaign "on behalf of the people", and with the aid of the courts, have driven some industries completely out of business and have put very heavy yokes on many others. The regulators of the prices "on behalf of the poor" made the search for new oil reserves unprofitable. As a result, large numbers of drilling rigs were stacked, as it actually became cheaper to import oil from the Near East than our American companies could produce it under the government regulations and restrictions. With rising wages and rising costs of all kinds the search for gas could no longer be carried on profitably, under government regulations and price controls.

Several steel companies have actually been closed because of these regulations and restrictions. The bellwether of the steel companies - U.S. Steel - reports that the environmental regulations alone will have cost that one company a total of $1 billion by the end of 1978. They also report that the pollution control facilities have added "$265 million to their annual operating costs". They further reported a loss of $58.7 million in their operations for the first quarter of 1978.

Speaking at the firm's 77th annual meeting of stockholders, the Board Chairman said: "More and more management efforts to reduce costs and increase overall efficiency are being offset by counter-productive actions within governments."

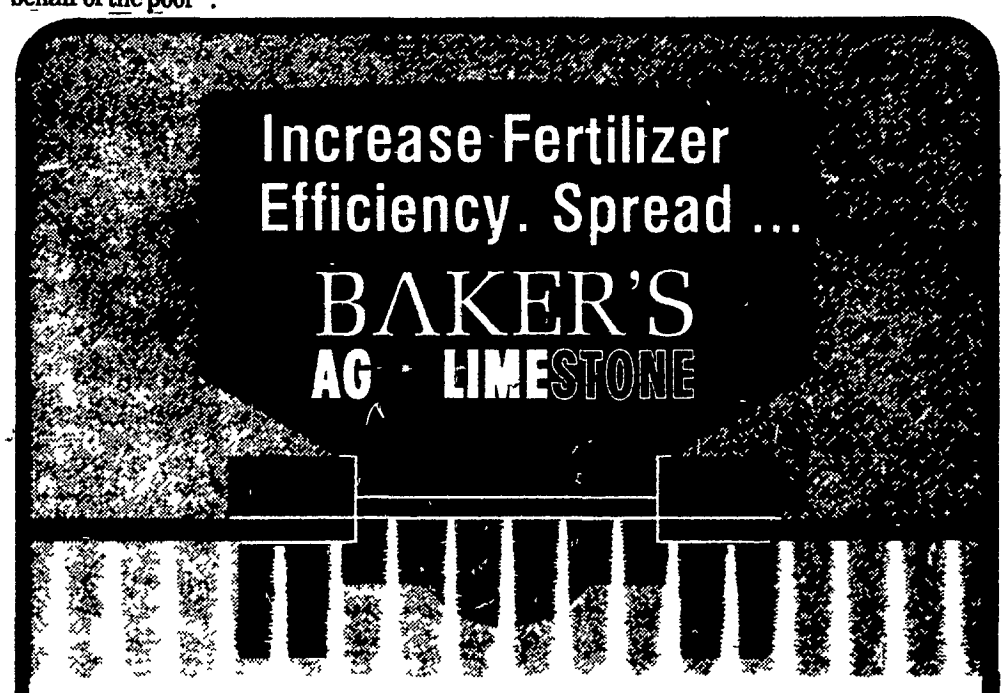
Has big business now become an enemy of the nation? Must it be looked upon as an unnecessary adjunct? Must anti-pollution requirements suddenly become so great as to jeopardize the future of basic industries? Must our "love for the poor" lead us to try to make the whole nation poor? Must our concern for equality lead us to reduce all people to the poverty level?

Is the search for political issues and political support to reduce this nation to two classes - one large class of "poor" and one small class of "rich"? Shall the popular politican be the one then that is for the "poor" and shall our Congress favor the regulations presented by these politicians to the extent they will destroy the very basic industries that have built the nation? Will they take away the ability of these industries to meet competition coming from other private enterprise economies such as West Germany and Japan? Shall our "love for the poor" reduce our defense posture to the extent that we become No. 2 in a very critical and dangerous world?

Shall the politicians, for the sake of issues and votes, be allowed to destroy this nation as politicians destroyed all great nations that preceded us?

In my opinion, America is literally dying for wise leadership. The honor and dignity and wisdom being displayed in Washington doesn't appear to equal the honor and dignity and wisdom of the average citizen.

All of this has resulted in a rapid increase in the number of employees on government payrolls. It has also led to constant increases in taxes. One way of increasing the taxes has been to push wages and prices higher and higher by way of inflation which pushed people into higher tax brackets automatically. For instance, if a man is paying 20 per cent of his income in taxes and then you double his income you have doubled his taxes. But if inflation has prevented any increase in his purchasing power, in spite of the increased number of dollars in his pay check, then, in relationship to his purchasing power his taxes have much more than doubled, actually leaving him decreased funds for his own needs.



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TAMAQUA – The herd of William R. Daubert, Pine Grove R2, had the highest milkfat in Schuylkill County for the month of October, 1978, according to information released by Penn State and Allan Shoener, county agent-agriculture.

With 70.9 cows on test, his cows averaged 2.00 pounds of milkfat per day, with 51.4 pounds of milk per cow per day. Second for the month was Miller & Rex, Inc., Andreas R1, with 1.98 pounds of milkfat per day. Third for the month was Heisler Brothers, Tamaqua R1.

Fifty-seven cows finished lactation records with 600 pounds of milkfat in October. High for the month went to a cow called Sugar, owned by Miller & Rex, Andreas R1, with 965 pounds of milkfat. Miller & Rex also had the second high cow, and Emmet W. Rhein, Pine Grove R3, had the third highest cow.

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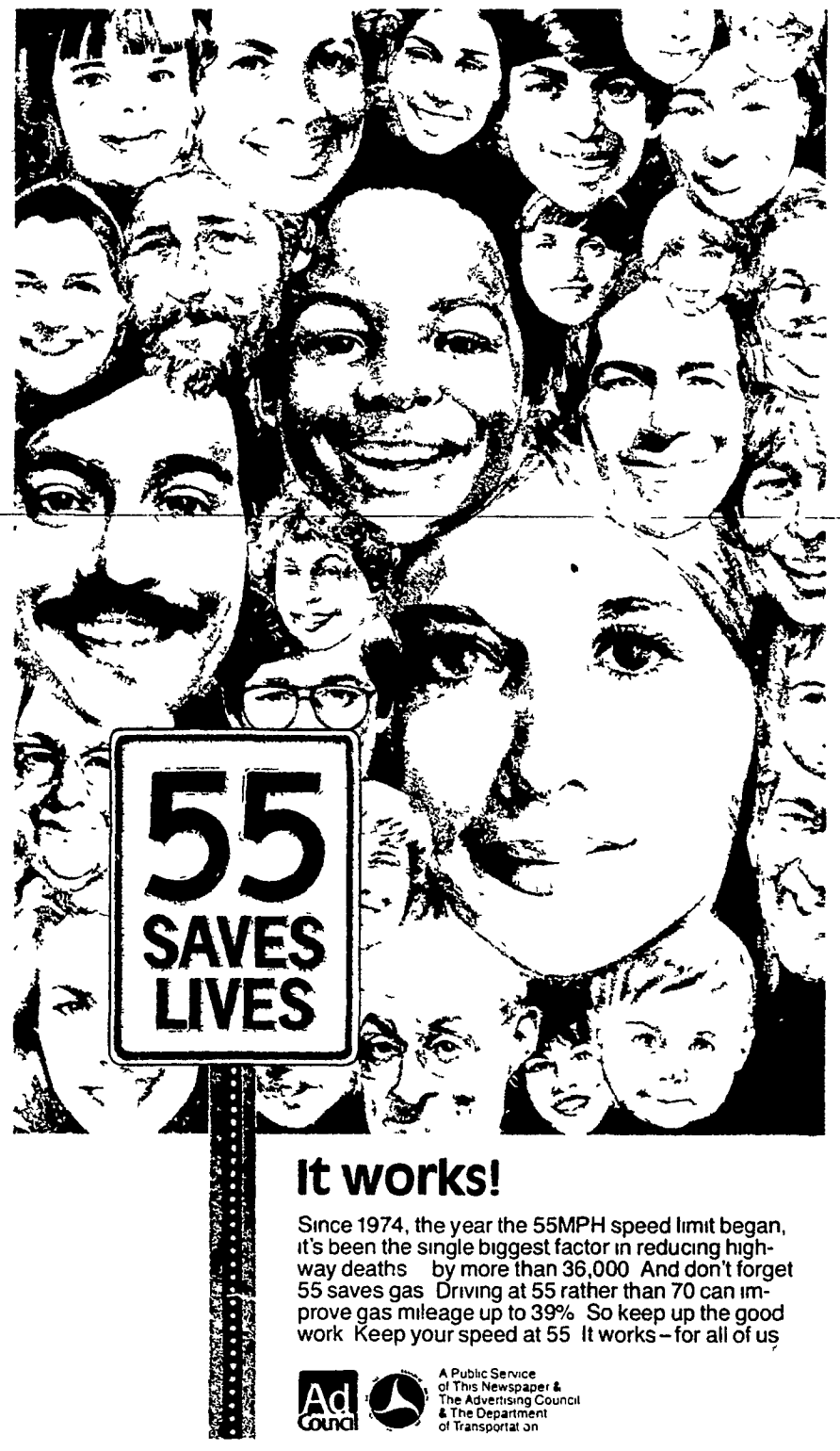

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New ideas for measuring up in metrics given

UNIVERSITY PARK - Ideas to help people understand and accept the metric system were offered recently by Mark D Shaw, associate professor of agricultural engineering at The Pennsylvania State University. Mr. Shaw made his suggestions in the Summer issue of "Science in Agriculture," the quarterly magazine of the Agricultural Experiment Station at Penn State.

He said U.S. industry is converting rapidly to the metric system of measurements. This way, the U.S. will be on the same measurement system as all other industrialized countries of the world, he noted.

"All units are consistent and simply related, and are based on multiples of 10 - making it much easier to work with than the present measurement system. For example, a cubic meter contains 1000 liters, and liter of water weighs 1 kilogram," Mr. Shaw stated.

"Remember, you can multiply by 10 simply by moving the decimal point one place to the right, or divide by 1000 by moving the decimal point three places to the left," he continued.

Mr. Shaw claimed the metric system will provide a good opportunity to make changes in various standard measurements. A double bed mattress, for example, is 54 by 75 inches. Most people would be happier if it was a little wider and a bit longer. Accordingly, the standard metric size will be 1.5 meters by 2 meters or about 59 inches by 79 inches.

He said it will not be difficult to switch to metric after people get used to the idea. A few new units will have to be learned. As an illustration, trousers will be sized 84 and 81 centimeters (waist and inseam) rather than 33 waist and 32 inseam in inches. For some time, both sets of units will be used so people can become familiar with the new size designations.

"The best way to learn the metric system is to use it," he declared. "Get a Celsius thermometer. After a short while you'll know what kind of coat to wear when the temperature is 15° Celsius. Get a metric measuring tape and use it. If the opening in your screen door measures 66 centimeters by 95 centimeters, you obviously need a piece of screening a little larger than this to replace the old one."

And he observed that road signs are beginning to carry both mile and kilometer markings, weather reports use both Fahrenheit and Celsius temperatures, and many food items are marked in both ounces and grams. Some measuring cups carry milliliter graduations to measure metric quantities. Use a conventional cup and tablespoon measurement if this is the way your recipe is written.

Some metric units are already familiar to most people such as 15 ampere fuses, kilowatt-hours, and seconds. Olympic athletes compete in 100-meter races, and dive from 3-meter boards. Engines will be rated in cubic centimeters or liters, as with motorcycles and foreign cars. Photographers will continue to use 35 millimeter cameras with 50 millimeter lenses.

"Schools are teaching metric units so the younger generation should have no special problems with the metric system," he observed.

"The rest of us will gradually become familiar with the units we use regularly. For instance, we will begin to think in terms of 20 square meters of carpet for a room instead of 24 square yards."

Copies of the Summer issue of "Science in Agriculture," with several illustrations of metric units, are available free from the Mailing Room, 112 Agricultural Administration Building, University Park, Pa. 16802, or from County agents of the Pennsylvania Cooperative Extension Service.

WHAT'S NEW

CENTRIFUGAL PUMP

A new line of thermoplastic self-priming centrifugal pumps -- especially suited for a number of agricultural uses -- has been introduced by Oberdorfer Pumps.

Called the Centrific, the new pump line is available with gas or electric motor drives or pump only for direct-coupled or pulley drive. The basic pump, with rugged polyester housing, is corrosion resistant to water, brine solutions, acids and most organic solvents according to the manufacturer. Expensive pump liners or stainless steel construction are not required.

Among the several agricultural applications for the Centrific pump line are general water supply; emegency stand-by; pumping from underground tanks; washing down barns and equipment; sprinkling or irrigation; pumping cesspools or sump locations; dewatering of cellars, ditches and ponds; and refueling or transfer to and from tanks and trucks.

The Centrific, with a built-in check valve for rapid selfpriming, has discharge capacity up to 160 gallons per minute at up to 118 head feet, according to Oberdorfer Pumps. There is a choice of ceramic or carbon mechanical face type seals. Fasteners are stainless steel. A rubber volute liner is available for handling abrasive slurries.

Further information on Centrific pumps may be obtained by contacting Oberdorfer Pumps, 6210 Thompson Road, Syracuse, N.Y. 13221.

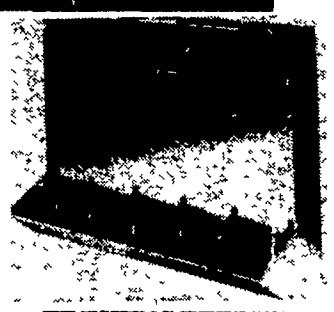
MOWER-CONDITIONER

Sperry New Holland's new nine Model 488 Haybine mower-conditioner adds the smoother drive of equal-angle PTO to the nearly non-stop, plug-free mowing of earlier models.

Adjustable windrow shields form trash-free, fastwilting windrows for silage making or deposit crops in a wide, quick-drying swath for hay. High-speed, intermeshing Chevron rubber conditioning rolls bruise thick stems for faster curing. Roll agressiveness keeps the bar area clean to add to the cutting efficiency of the reel-assisted cutterbar.

Optional equipment includes crop dividers, flotation tires, plus stub guards for cutting in wet, soft grass stubble conditions.

For more information contact Ivan Glick, Sperry New Holland, New Holland, Pa. 17557, (717/354-1277).



FINISHING FEEDER

Star Agri Products has introduced a new line of heavy-duty confinement finishing feeders, according to an announcement by Floyd Carter, marketing manager.

Because they are for use with automatic feed delivery systems, the new line of feeders have limited feed capacity. According to Carter, Models HDS-481 and HDS-482 have all stainless steel construction, and HDC-481 and HDC-482 have stainless bottom and galvanized steel upper panels. Both types are specifically recommended for confinement feeding over slatted floors because of stainless steel construction. Carter explains that severly corrosive fumes that come from manure pits can quickly rust out any feeder made with galvanized steel bottoms.

Models of the new Heavy-Duty Confinement Feeder are available with feed openings on one or both sides to feed one or two pens of finishing hogs. The double side models have twice the feed capacity of the single side models. Both models have full trough partitions and trough incline with Agstar's "Feed Saver Lip" to reduce feed waste. The feeders also come with "Tip Top" feed flow control which lets the operator adjust the feeder from high inside the hopper.

For more information contact Star Agri Products, P.O.Box 115, Goshen, Ind., 46526.

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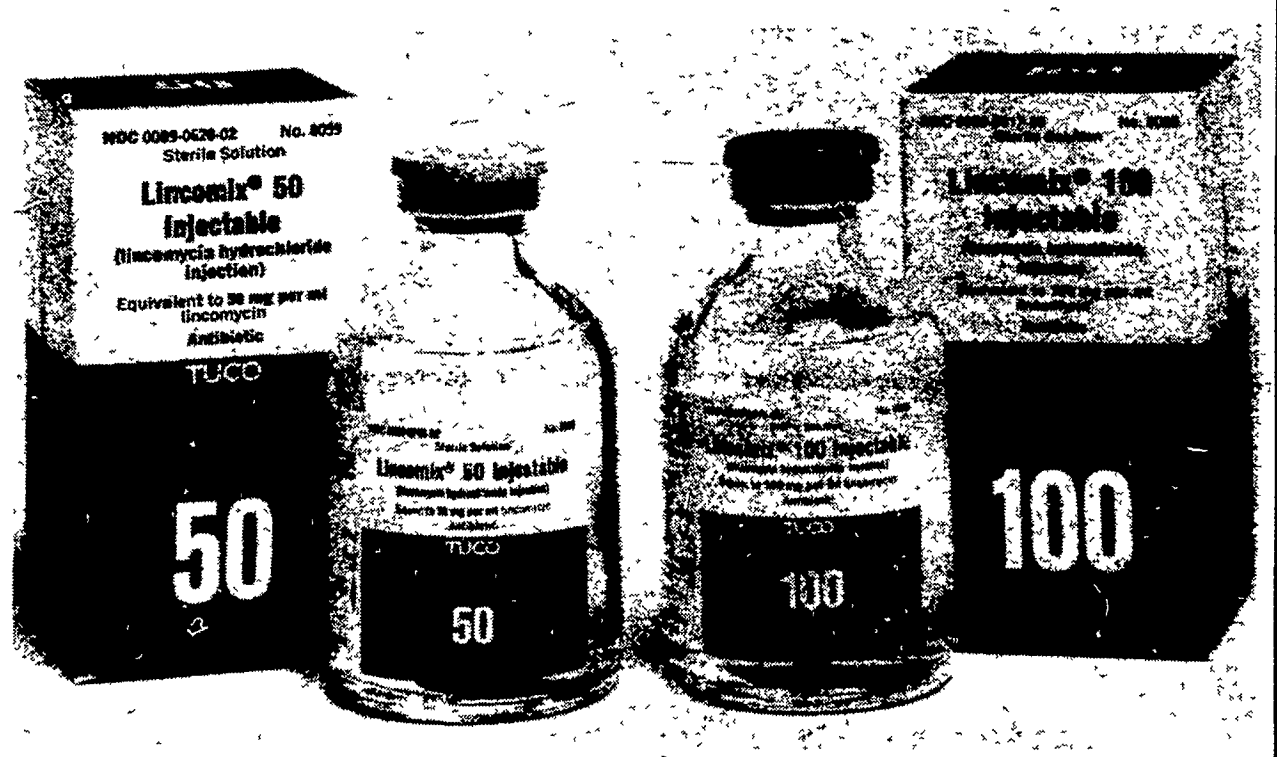

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If Lincomix Injectable does not out perform the product of your choice in the treatment of mycoplasmal pneumonia and infectious arthritis in swine, return the unused portion of your purchase to TUCO for full refund. See us today for details.

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USDA notes improved farm income

WASHINGTON, D.C. – After several long, lean years, U.S. farmers are finally realizing improved incomes, says USDA.

Farm returns in 1978 are turning substantially higher, say analysts, who cite sharply increased livestock earnings, moderately higher crop receipts, and stepped-up government payments.

USDA economists recently summed up the situation this way: "Generally, farmers seem to be in a good equity position, particularly established farmers who have benefited from rising real estate values. Although some farmers in important producing areas of the Nation remain vulnerable to further financial setbacks the overall financial health of the industry appears sound."

By midyear, the experts were projecting net farm income for calendar 1978 to reach about $25 billion. While that's still well below the record $30 billion earned in 1973, it's a $5-billion-improvement over last year.

As always, certain farmers will fare better than others depending on their relative efficiency, the size of their operation, and the commodities they produce.

For livestock and poultry producers as a group, the economists see solid gains. Prices for livestock and products have turned higher than previously expected and continued basic strength seems likely.

In the beef cattle arena, feedlot operators have taken a pounding since 1973, when feeding costs shot skyward relative to prices received for fed cattle. However, cattlemen's earnings began improving last year, gathered strength into this year, and should soon signal the end of the liquidation phase of the cattle cycle.

As producers begin stabilizing their herds, beef slaughter will fall off, further shoring up cattle prices. Current estimates put average Choice steer prices in the mid-$50's throughout the second half of 1978 - compared with last year's average of just over $40.

The longer term situation suggests declining beef production and rising prices for at least the next 3 years, which economists say is necessary to materially improve the financial shape of feeder livestock producers.

Recent loan repayment difficulties of cattle raisers are expected to ease, although substantial refinancing will probably occur as the buildup phase of the cattle cycle gets underway.

Except for poor years in 1971 and 1974, hog producers managed to avoid the prolonged hard times that plagued cattlemen. And while they faced the same soaring feed costs that cattlemen did, hog producers generally received favorable prices for their finished animals relative to the price of feed.

Hog producers look to be in a good financial position this year, and will probably not be adversely affected by a slight rise in pork production as 1978 draws to a close.

Unlike hog producers, dairymen got caught in a profit squeeze that hung on through 1973-75, but finally eased in 1976. Returns turned sharply higher last year.

Current legislation will help the dairy sector fend off hard times over the next several years. The Food and Agriculture Act of 1977 requires a milk price support level of not less than 80 per cent of parity through March 1979 and also specifies that the level be adjusted semiannually through March 1981 to reflect changes in the parity index. Because of the higher support prices, financial conditions of dairy farmers should improve this year and beyond.

Grain producers, particularly wheat farmers, watched their cash receipts rise sharply during 1971-74, but saw the bottom begin falling out of the market the following year. Wheat farmers were hardest hit by bumper crops both here and abroad.

Calculated as a return to land, earnings from wheat plunged from $47.65 an acre in 1974 to minus $6.81 at 1977 market prices. Therefore, while earnings in 1974 could have paid a debt of $468 an acre at 9 per cent interest over a 25-year period, returns in 1977 wouldn't even cover labor and management charges.

Corn producers found themselves in similar straits, while soybean farmers did considerably better.

Prospects of stronger demand for grains and a number of specific actions – including changes in the grain reserve program, acreage diversion for feed grains and cotton, and a higher target price for wheat - should improve the cash flow positions of producers of these crops.

A closer look at some typical 3,040-acre Montana wheat farm show that net returns (net cash income less depreciation and the cost of family labor and management) plummeted from about $93,500 in 1975 to $35,000 the next year and less than $15,500 in 1977.

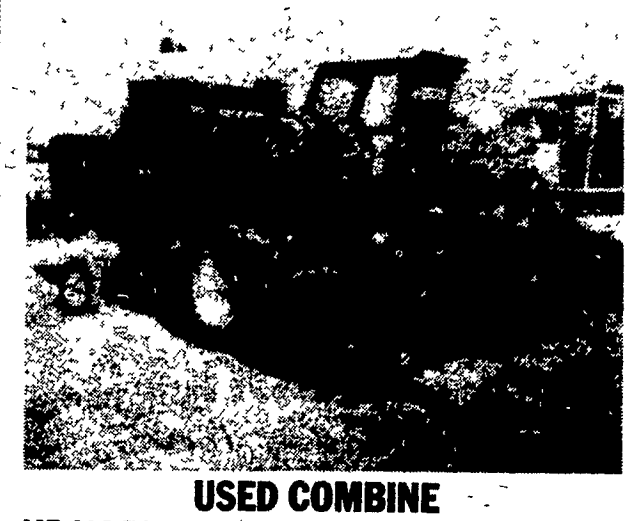
But given better price prospects and barring adverse weather, this farm should realize net returns approaching $42,000. This would equal just over 7 per cent of equity, versus less than 3 per cent last year.

On a 400-acre east central Illinois corn and soybean farm, the debt to equity ratio last year dropped below the previous 2 years, mainly because assets – led by soaring land values – climbed at a much faster pace than farm debt.

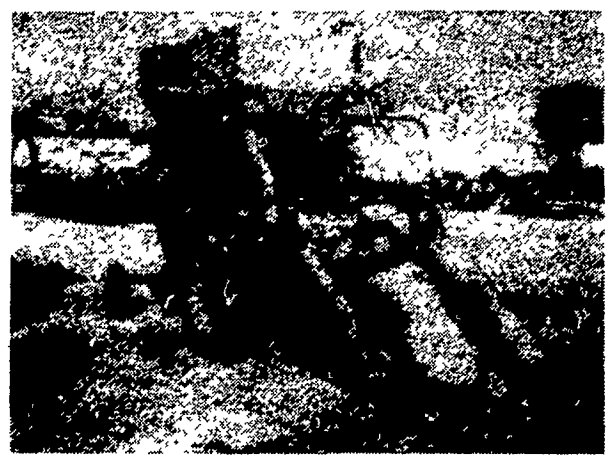
The rapid rise in assets, coupled with a $15,000 drop in net cash income, caused net returns to slide from 16 per cent of equity in 1976 to less than 6 per cent last year.

Net cash income on this typical Illinois corn and soybean farm is expected to recover substantially this year to around $35,000.

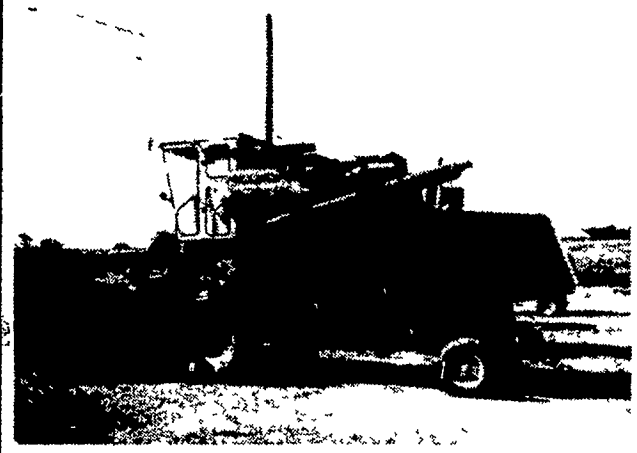
POW WOW DAYS



USED COMBINE
MF 410 Diesel w/Cab, 13' Platform, 3 row N.R. Corn Head..... $8,250.



USED COMBINE
AC Model E w/10' Platform, Pickup Reel, 2 Row Corn Head, Real Clean ..... $5,750.



USED COMBINE
John Deere 55 Corn Soybean Special 12' Head ..... $11,700.

USED PLANTER
John Deere 7000, 4 row wide, condition-A1..... $4,750.

USED HAYBINE SPECIALS

John Deere 1209	$2,450.00
New Holland 479	2,750.00

USED BALER SPECIALS

New Holland 67 Baler	$1,150.00
John Deere 14T	750.00
John Deere 14T w/ejector	700.00
John Deere 24T	950.00
John Deere 24T w/thrower	1,750.00
New Holland 275 w/thrower	2,350.00
NH 269 w/thrower	1,750.00

USED HARVESTER SPECIALS

NH 880 2 Row Narrow Row Head	3,650.00
NH 717 Single Row Head, 9 Knife Cutter Bar	1,750.00
JD #12 w/single Row Head	350.00

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USED TRACTORS

MF 175 Diesel	$5,850.00

USED PLANTER SPECIALS

Tag 11650 John Deere 1250 - 6 Row Plateless	$2,350.00
11941 John Deere 494A - 4 Row	650.00
11934 John Deere 494A - 4 Row	1,275.00

USED COMBINE SPECIALS

AC - C w/4 Row Corn Head 14' Platform	$8,750.00
Cockshutt 427 w/Power Steering & 10' Platform	1,450.00

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John Deere 17 x 7	$750.00
Co-op 15x7 Fert Grain Drill w/grass seed attach	750.00
MF 21x7 Plain	1,650.00

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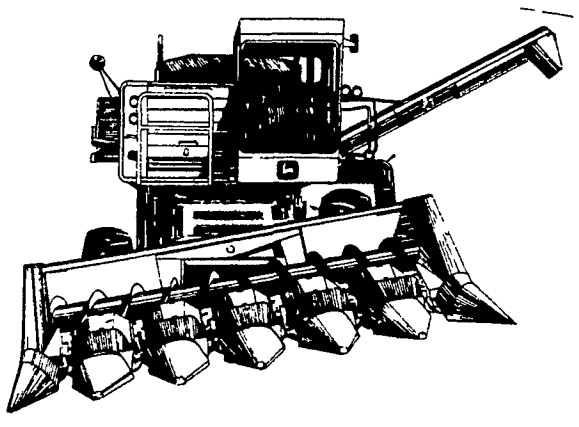
John Deere 1600 10' Chisel Plow	1,325.00

Maximize your crop savings on slopes to 18 percent with a John Deere SideHill Combine



On-the-go, automatic separator leveling from feeder house through cleaning shoe is yours with a SideHill 6600 Combine. As the separator levels on slopes to 18 percent, the header pivots to parallel the ground. Keeping the separator level maximizes your crop savings because no material drifts to the downhill side as with a conventional combine. And to master hilly fields, you get a 128 hp 404 cubic inch diesel engine. The cylinder is 44 inches wide.

Matched headers include 4- and 6-row corn heads and row-crop heads. Platforms with rigid cutterbar in sizes from 13 to 22 feet ... with flexible cutterbar in sizes from 13 to 22 feet.

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Snowmobiles illegal on game lands

HARRISBURG - Sportsmen are warned that it is illegal to operate snowmobiles on State Game Lands during the deer season.

Hunters are also reminded that State Forest Lands are closed to snowmobiles until after the end of the antlerless deer season, which concludes on December 16.

Energy exposition slated next week

LANCASTER — The Cooperative Extension Service of Lancaster County will sponsor its first ever energy exposition next Saturday in the Farm and Home Center, here. Participants will include major utility companies and private manufacturers of such devices as heat distrubutors for fireplaces. According to Lancaster County Agent, Jay Irwin, the event should prove to be of interest to both farmers and non-farmers.

"This is an importnat meeting for all home owners and farmers alike," says Irwin, noting that solar energy will also be featured among the displays.

The displays will be open to the public beginning at 10 a.m., December 9. They'll be available for inspection until 3 p.m. While there, visitors will also have the opportunity to inspect wood-burning stoves. Informational materials will be available for reading at home.

Jack Tracey, chairman of th Lancaster County Commissioners, will offer the opening remarks when the event gets underway next Saturday. His address will be followed by an overview of the energy situation presented by Mark Shaw, agricultural engineer from Penn State University.

Specific topics of discussion will be featured throughout the exposition. At 10:45 a representative from Pennsylvania Power and Light Company will talk on insulation requirements and how to meet them.

At 11:15 Mat Kelly from the Governor's Energy Council, Harrisburg, will talk about solar energy use. Lunch follows his presentation at 11:45.

Wood and coal burning stove safety will be another topic, beginning at 1 p.m. An hour later an energy consultant from U.G.I. Corporation will talk about "Do It yourself Energy Savers." Questions follow at 2:30 and the exposition adjourns at 3.

Dairylea

(Continued from Page 1)

Dairylea's new form of capitalization comes in the form of an investment. It is not a loan. Known as "equity credit," the certificates being purchased by members carry no date of maturity and will bear no interest. They may or may not earn money, depending on the state of business at Dairylea.

For the past 58 years, Dairylea has been financed principally by Certificates of Indebtedness which were redeemed in 10 years from date of issue and paid interest. Members did not have any permanent capital invested in the cooperative which has annual sales in excess of $350 million, but which sustained annual losses in recent years.

Last March, Dairylea announced that it did not have funds nor bank financing available to redeem the Certificates due in April and that a new capital program was planned.

The plan, approved by delegates representing the co-op's 5500 members, provided that members would be assigned a Base Capital requirement figured on each member's 1977 milk production. Members are making this investment in Dairylea by submitting their Dairylea Certificates at face value for equity credit, and by buying up nonmember-owned Certificates at an offering price of 53 cents per dollar of face amount. These purchased Certificates are also being submitted for equity credit at full face value.

During the five months that this plan was in progress, members submitted for equity credit or committed to purchase Certificates with a total face value of $20 million, which is over 70 per cent of the approximately $29 million of Certificates that were outstanding.

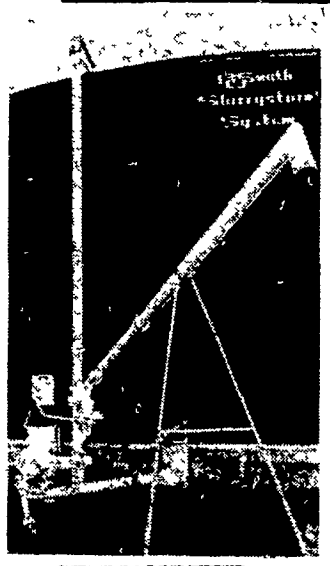
"This wonderful response of members means that Dairylea will move from a negative equity of $10 million to $11 million in positive equity.

"It means that, for the first time, members not only control this organization, as they always have, but have a very substantial ownership investment," said Rutherford. At the discretion of the Board of Directors, members equity investments can be paid back as funds become available.

Dairylea operates seven fluid milk plants: New York City, Syracuse, Buffalo, Binghamton, and Goshen, New York, Scranton, Pa.; and Middlebury Conn. It also operates cheese, ice cream, cultured products, nonfat dry milk, whey, and asceptic product plants in Utice, Vernon, Adams, and Oneida, New York, and is part owner of a major milk manufacturing plant in Batavia, New York. The farmer co-op has 1,700 employees.

Its members operate dairy farms in New York, New Jersey, Pennsylvania, New England, and bordering West Virginia.

WHAT'S NEW



SIDE MOUNTED PUMP

A new side-mounted pump and a center agitation accessory are now available as components of the Slurrystore system, according to the manufacturer, A. O. Smith Harvestore Products, Inc., headquartered in Arlington Heights, Ill.

The center agitation device offers unifrom mixing and superior recirculation for larger Slurrystore above-grade manure storage tanks. The agitator works in conjunction with the new pump.

With an outlet located at the center of the tank floor, the center agitator can achieve thorough blending of liquid manure, operting over one-half the distance required by side agitators. The center agitator must be installed at the time of tank erection, although the pump may be added later, even when the tank is filled. The agitator nozzle can be manually rotated a full 360 degrees from outside the tank.

In situations where severe crusting of the slurry surface occurs, an over-the-top kit may also be required.

The new centrifugal pump features semi-open impeller to operate effectively with a 70 h.p. tractor, says the manufacturer. Reliable tapered roller bearing drive and 35 lb. p.s.i. at shut off contribute to superior slurry agitation. Maximum pumping capacity is 2,000 gallon per minute.

The Slurry store liquid manure system is offered in a variety of sizes. Each structure features the glass-fused-to-steel concept with storage capacities ranging from 50,000 to over 900,000 gals.

For more information, contact: Harold Davis, director of marketing, A. O. Smith Harvestore Products, Inc. (312) 439-1530.

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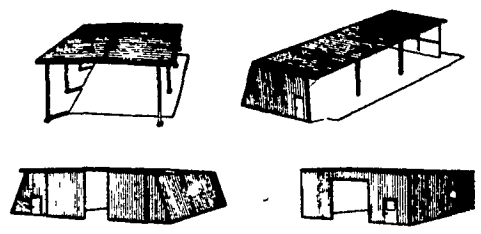

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Broiler

(Continued from Page 1)

people in the county are under contract and know when and where their broilers will go.

According to a report prepared by A. Kermit Birth, poultry marketing specialist at Penn State, both the pounds and the numbers of broilers produced in 1979 will exceed the year earlier levels.

He expects prices the first quarter of the year to average close to the year earlier levels, when the wholesale prices of Grade A ready-to-cook broilers in New York City averaged about 42 cents a pound.

He noted that the broiler situation can change quicker than the situation for either eggs or turkeys, and said that he expects about the same profit picture from broiler production next year if the industry does not go overboard in expansion.

He thought the expansion might be limited by the availability of hatching eggs and hatchability. Also affecting the expansion will be the high capital investment required for today's modern broiler houses.

According to Birth, the prices of broilers are being strengthened by the high prices of beef.

One of the plus factors in the broiler industry is the increased tonnage of poultry meat now being used for further processing. This factor helps expand meat sales because most of these processed products are of the convenience type.

Cleve Hastings, grow-out manager of Pennfield Poultry, Lancaster, said that there was continued growth in the Pennfield broiler business in 1978.

He told that the shortage of hatching eggs held back that expansion a little more than they would have liked to see, but added that that shortage was nationwide, and has affected future expansion plans somewhat.

The year 1979 will see more expansion, he continued, and the company expects a year "on par" as this one in 1978. He thought some new housing would be needed, and noted that some of the primary breeders are being booked "way ahead", which may continue to slow down the expansion.

He too spoke of the higher prices for both beef and pork, mentioning the lower supply of beef available, and stated that consumers are becoming increasingly aware that poultry is nutritionally an excellent buy. He said that the per capita consumption of poultry is expected to increase each year.

Representing Victor Weaver Poultry, New Holland, Allan Tate stated that the broiler production there will be growing next year, with the company expected to increase its kill, using more birds from the local area. The company now kills 105,000 birds a day, compared to 87,000 a year ago.

He, too, thought that the outlook for the broiler industry was good, citing the high prices of pork and beef as making poultry a very buyable product.

1978 was a good year for the broiler industry, and those involved are hoping for continued growth and expansion throughout 1979.

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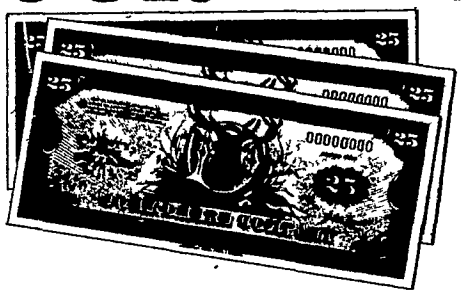

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100 Integral	$75	$50
110 and 111	$125	$75
210	$200	$125
310 340 and 1630	$275	$150
220 230 350 440 1640	$350	$200
330 331 and 360	$500	$300
370	$900	$550
CHISEL PLOWS:		
1608M Integral 1608R Drawn Rigid 1610 Integral Rigid 1610 Drawn Rigid (11-foot) 1611R Drawn Rigid	$100	$75
1620 Drawn Flexible 1623 Drawn Flexible (23- to 27-foot)	$200	$125
1610 Drawn Flexible (23-foot) 1610 Drawn Rigid Folding (19-foot)		
1623 Drawn Flexible (29- to 41-foot)	$300	$175
1610 Drawn Flexible (29- to 37-foot)	$400	$250
1650 Folding	$900	$550

EQUIPMENT	FEB. 28, 1979	JUNE 30, 1979
BALERS:		
336	$200	$125
346 and 410	$300	$175
466 and 510	$400	$250
MOWER/CONDITIONERS.		
1207 and 1209	$250	$150
1214	$350	$200
1380	$400	$250
MOWERS:		
350 and 450	$75	$50
RAKES:		
567 650 and 660	$75	$50
670 and 671	$100	$75
CHOPPER		
16A	$175	$100
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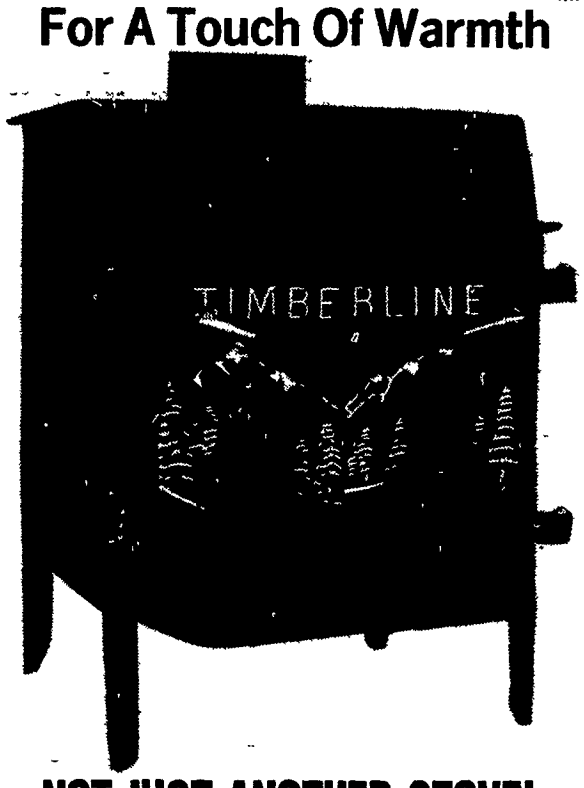

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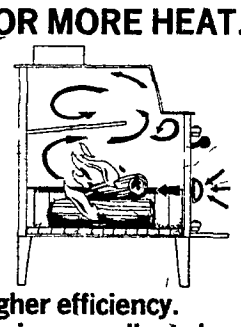
BURN LESS WOOD FOR MORE HEAT.

This handcrafted stove is designed to hold a wood fire overnight, constructed with a heavy cast interlocking door for air tight sealing capabilities.



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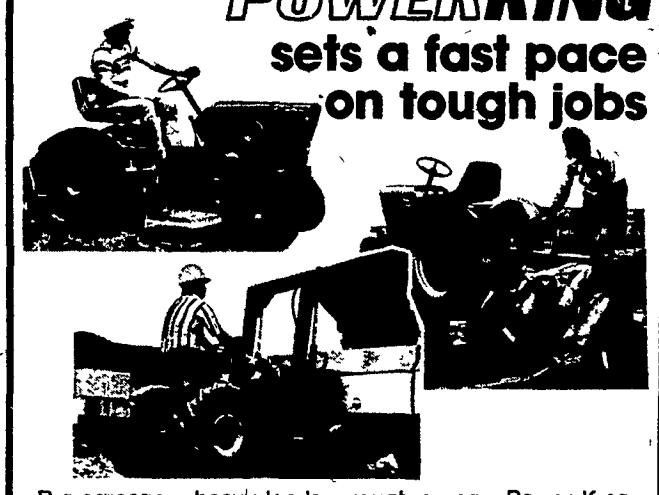

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History of the combine told

NEW HOLLAND - Modern rotary combines are the result of 100 years development experience. The name of the machine took some development, too.

Actually, a couple of thousand years of grain growing history are all neatly tied up in our word "combine". But mainly it happened in the last 50 years.

As recently as 1923, big-scale farmers in the Montana wheat country were calling the machines by their correct and proper name: "Combined Harvester and Thresher." Since then, the term's been shortened into the single word we now use to talk about grain harvesting machines, says George Eastman, product manager for combines at Sperry New Holland.

From the time of Abraham to George Washington, farmers cut and threshed grain by hand. Cutting was usually by sickle or reaping hook.

Threshing was by flail or animal treading. Either way, sheaves of grain were spread out on a threshing floor for the operation. Raking off the straw came next. This was followed by separating grain and chaff.

We still do it in exactly those same three steps. Even in a TR70. First we thresh, then we remove straw, then we separate grain and chaff in a final separate operation. But we've made progress.

Most of the progress came since the death of George Washington. First, the grain cradle replaced the sickle. Threshing was a wintertime task. In the summer you had your hands full enough to just get the wheat cradled, bundled and hauled into the barn. There was no time to swing the flail. And all the grain was flail-threshed.

Before the Civil War, threshing was already going mechanical over a lot of the country.

The war sparked a boost in grain price. This, in turn, helped make mechanization more feasible. Knowing about the machines didn't help when grain prices were too low to pay for reapers and threshers.

But the practical combine was still years away in the next century.

A combined harvester-thresher was already invented by Hiram Moore. After tinkering with it for a while he more or less got it working in 1853. A herd of horses pulled and powered it. It was ahead of its time.

When the time for the combine came, it was too large and too expensive for most farms but the big "bonanza" farms of the West were just right for it, according to the biggest Bonanza farmer of them all, Thomas Campbell.

During the World War I food crisis, Campbell farmed a stretch of land of hundreds of thousands of acres that stretched a good many miles wide from north to south. His observation on the 24-foot cut machines was: "Only seven men are required to operate this wonderful combined harvester and thresher."

The name was almost seven times too large. So, farmers shortened it down to one word "combine" in much less time than it took the manufacturers to get the operation requirements down from seven men to one.

Martin LIMESTONE

Apply lime often for best results

To keep your soil neutral liming every 2 or 3 years is recommended because of the new higher analysis fertilizers being used today

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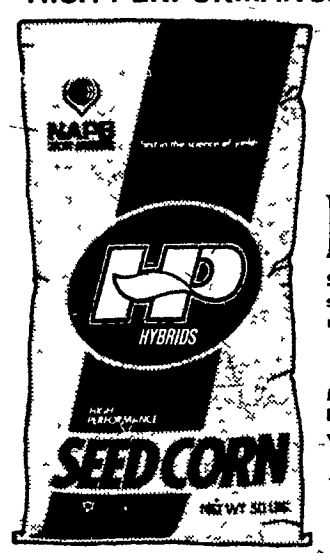

HP 23

Single cross hybrid with strong stalks and big, massive roots for excellent standability.

Big yields

Excellent ear retention.

Medium tall plants with bred-in ability to fight a wide range of diseases

Relative maturity- 108-109 days

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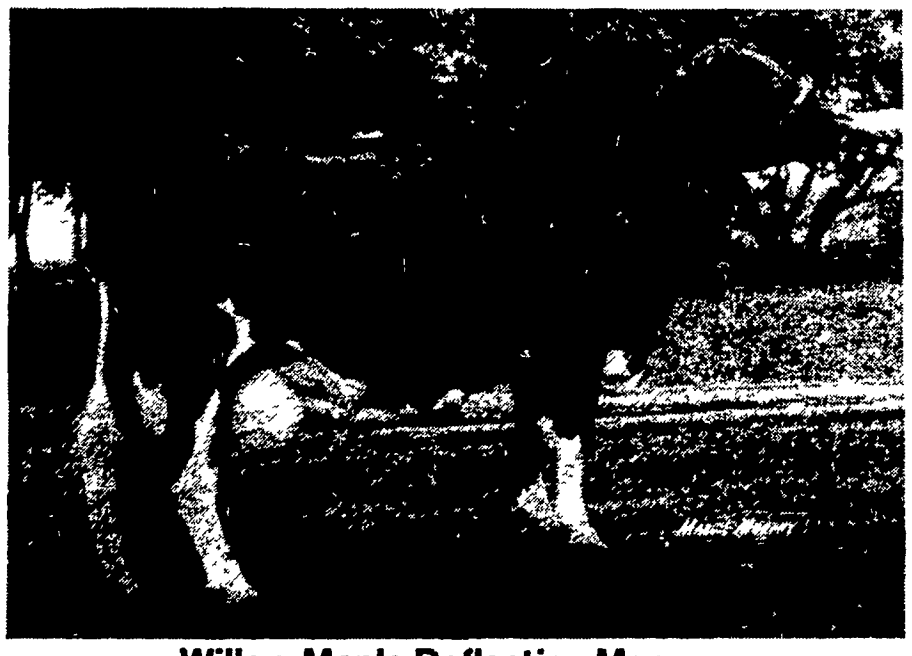
FOR GREAT ACHIEVEMENTS IN 1978



Willow Maple Reflection Mae

Willow Maple Farm of Lebanon County, Pa. recently received honors at the Lebanon County DHIA Banquet for being high herd in both milk and butterfat with 21,619 lbs. milk and 743 lbs. fat.

The cow of the year was also owned by the Bollingers. Willow Maple Reflection Mae finished a 305 day record with 32,923 lbs. milk and 1185 lbs. fat. O'Mae is quite a cow - she had already gone over 200,000 lbs. milk before setting this record.

BEST WISHES FOR GREAT SUCCESS IN 1979

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Bagworms may overwinter on trees

FLEMINGTON, N.J. - Bagworms are caterpillars that live in spindle-shaped bags constructed from bits of foilage and held together with silk.

The spindle-shaped bags are from one to two inches long and may be seen hanging from infested trees and shrubs. Bagworms frequently attack arborvitae and juniper, so a substantial amount of defoliation may occur, say experts.

Overwintering takes place in the egg stage in bags attached to trees and shrubs. The eggs hatch during early June.

Some degree of bagworm control can be obtained by picking bags from infested plants during the Fall months.

One should destroy the bags or place them in a deep, open container near infested trees so that any beneficial parasites that may be present in some of the bags can get out.

Next June a person should apply diazinon orthene to prevent serious defoliation of arborvitae by bagworms.

WHAT'S NEW

SOIL PULVERIZER

A complete new lineup of TP Series Pulverizers that expands the range of models from six feet to the big 32 feet 8 inch hydraulic wing pulverizers is announced by Brillion Iron Works, Brillon, Wis.

Manufactured in 14, 16, 18 and 20 foot rolling widths, these new pulverizers fold to approximately 4½ feet wide for transport from field to field.

The Brillion TP Pulverizer is designed specifically for transport from one end, with the mechanism as an integral part of the unit.

To change from field position to transport the drawbar braces fold back against the frame by pulling only two pins. No wrenches are required.

Hitching up to your tractor is done with the "easy rider" hitch, which is raised when in field use and lowered and locked when hooking up to the tractor.

The Brillion TP Pulverizers also feature a long, heavy duty drawbar for easy turning when pulling behind a disk, field cultivator, or other implements, according to Brillion Iron Works.

These new Brillion TP Model Pulverizers are available with 16 foot smooth rollers (with optional sprocket wheels) or 20 foot crowfoot rollers.

For further information, contact Mr. Win Riemer, Brillion Iron Works, 200 Park Avenue, Brilllion, Wis., 54110 (414) 756-2121.

KRAUSE INTRODUCES NEW TANDEM DISC

Krause Plow Corporation of Hutchinson, Kansas, announced the 1930 Series, a new line of flex-wing four-row/six-row tandem discs.

The 1930 Series are the first four-row/six-row discs to have complete hydraulic, over-center wing folding. This provides cutting widths of thirteen feet nine inches or twenty feet eleven inches, and over 200 pounds of working weight per blade with the wings folded. The wing flexes up for working terraced or uneven ground.

The new discs also feature big 20,22 or 24 inch blades, overlapping front gangs, rugged steel tube construction and a heavy-duty steel tongue.

The 1930 is the latest in a series of flex-wing discs from Krause, the company which originated flex-wing design in 1966.

For more information, please contact: Mr. Floyd Barkman Krause Plow Corporation, 305 S. Monroe Hutchinson, Kansas 67501 316-663-6161.

CORRAL

Star Agri Products has introduced a new portable corral panel called Agstar Quik-Corral, according to an announcement by Floyd Carter, marketing manager.

The new Quik-Corral panels can be set up where the cattle are, instead of bringing cattle to the corral, which helps cut labor costs, according to Carter.

These corral panels have been designed so they are strong enough to hold the roughest cattle but light enough to handle without strain. The 10-foot-long panels weigh 76 pounds. High-strength, lightweight steel tubing is used in construction, and all joints are welded. There is also an unusual hinge arrangement on the corral panels that allows 120-degree hinging, and also hinging two panels from one. This has been made possible because one end of each panel has double hinge pin brackets. A cattleman can design an efficient corral layout from the complete selection of four components being offered by Agstar. Available are 10-foot corral panels; 10-foot arch panel with opening for 4-foot gate; and an arch assembly, with an opening for a 4-foot gate; and a 4-foot tubular gate complete with chain latch.

For more information contact Star Agri Products, P.O. Box 115, Goshen, Ind. 46526.

xxx

Even the best of us sometimes make a mistake. Some famous flubs in the world of stamp collecting are shown in the December Reader's Digest. Among them: a 1947 Monaco stamp showing Franklin D. Roosevelt with six fingers on one hand; a 1949 Saudi Arabia stamp depicting a conventional airplane with no propeller; and a 1938 Fiji Islands issue showing an outrigger canoe in full sail - but with no there to guide it.

xxx

Tomatoes frequently become soft and watery and subject to decay if ripened in the refrigerator. But firm ripe tomatoes held at a cool room temperature for several days do not lose much vitamin C.

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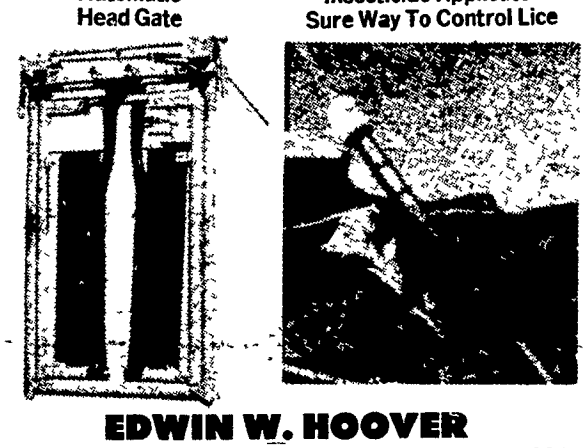
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Spring of '79 is quite a way off. But right away you can have modern, productive machinery and put it to work. Now's the time to buy. Stop in and see!
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NEUHAUS'ES INC. RD2, York, PA I-83 Loganville Ext. 3 717-428-1953 or 235-1306
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SHOTZBERGER'S EQUIPMENT Elm, PA 717-665-2141
AGWAY INC. Chapman Equipment Center Chapman, PA 215-398-2553
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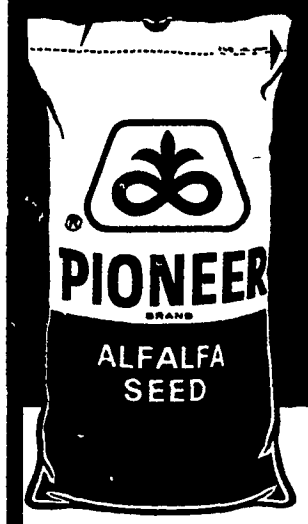
PIONEER . . . the name to remember for alfalfa seed!


531... the number to remember for high yields.
• 531 is a rapid recovery alfalfa
• Offers excellent tolerance to Anthracnose plus very good tolerance to bacterial wilt.
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See or call your Pioneer Salesman soon.
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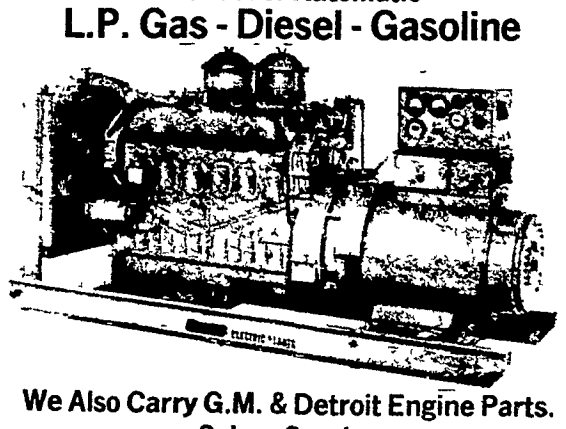
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Berks Co. named candidates for ASC elections

LEESPORT - Paul H. Keeney, chairman of the Berks County Agricultural Stabiliztion and Conservation Committee, (ASC), has announced that elections for community committeemen are being held at the present time. All ballots must be in the County office by December 4. Voting is being held by mail.

Each of the 11 communities in the County has a slate of six candidates from which to choose. Voters are asked to vote for three or less; the candidate getting the highest vote will be the chairman of the community committee, the next highest will be the vice chairman. third will be a regular member, and the fourth and fifth will be first and second alternates.

Ballots have been mailed out with the following names:

COMMUNITY 1 - Bethel, Marion, Tulpehocken Townships; Frederick J. Bohn, Myerstown R1; Earl L. Brown, Myerstown R1; Donald E. Landis, Myerstown R1; J. Paul Miller, Myerstown R1; Ralph E. Troutman, Womelsdorf R1; Bruce T. Younker, Bethel RD.

COMMUNITY 2-Jefferson, Upper Tulpehocken, Penn Townships: Laverne Koenig, Bernville R2; Harold R. Lesher, Bernville R1; Charles D. Moyer, Bernville R2; Evald Wicks, Strausstown; Curtis Wolf, Bernville R1; James Yost, Bernville R1.

COMMUNITY 3-Tilden, Upper Bern, Center Townships: Rae M. Hix, Mohrsville, R1; Nicholas Kopicz, Mohrsville R1; Clarence R. Luckenbill, Bernville R1; Norman Naftzinger, Mohrsville R1; Bruce D. Riegel, Mohrsville R1; Paul E. Lesher, Mohrsville R1.

COMMUNITY 4- Perry, Windsor, Bern, Ontelaunee, Muhlenberg Townships: Ernest H. Epting, Hamburg R2; Harry R. Kauffman, Hamburg R2; J. Bruce Leiby, Hamburg R2; Robert L. Seidel, Lenhartsville R1; Lawrence T. Sunday, Lenhartsville R1; Ronald Weyer, Hamburg R2.

COMMUNITY 5 - Albany, Greenwich Townships: Clyde K. A. Baver, Kutztown R3; Brian A. Bond, Kempton R2; Guy W. Long, Lenhartsville R1; Lester C. Miller, Kutztown R3; Harvey Muth, Kempton R2; Ralph Sanner, Kutztown R3.

COMMUNITY 6 - Longswamp, Rockland, Maxatawny, District, Hereford Townships: George R. Delong, Kutztown, R1; Gordon G. Gruber, Kutztown, R1; Earl W. Latshaw, Alburtis, R1; Clyde Masemore, Barto, R1; Wilson H. Rohrbach, Mertztown, R1; Charles A. Savidge, Mertztown, R2.

COMMUNITY 7 - Richmond, Maidencreek, Ruscombmanor Townships: Warren W. Berger, Kutztown, R3; Leroy J. Biehl, Kutztown, R1; Arthur Hoch, Fleetwood, RD; Paul Myers, Fleetwood, RD; Feryl J. Treichler, Kutztown, R3; Marshall Worrell, Kutztown, R3.

COMMUNITY 8 - Oley, Pike, Alsace, Lower Alsace, Exeter Townships: Earl Mensch, Boyertown, R4; Chester E. Noll, Oley, R1; Woodrow I. Rothenberger, Oley, R1; Daniel H. Schlegel, Oley R1; Roy Y. Stoltzfus, Douglassville, R2; Lloyd Zook, Oley, R2.

COMMUNITY 9 - Colebrookdale, Earl, Amity, Douglass, Washington Townships: Earl Hafer, Douglassville, R2; Barry A. Hoffman, Barto, R2; Wilson Hoffman, Barto, R1; William E. Keim, Boyertown, R2; Ralph T. Spencer, Boyertown R3; Robert D. Yanos, Douglassville, R2.

COMMUNITY 11 - Caernarvon, Robeson, Union, Brechnock, Cumru Townships: John K. Fuzer, Mohnton, R3; Wilmer Kraybill, Elverson, R2; Heber D. McGowan, Birdsboro, R1; Samuel A. Schlouch, Mohnton, R2; David O. Shirey, Geigertown; George W. Zerr, Geigertown.

COMMUNITY 12 - North Heidelberg, Heidelberg, South Heidelberg, Lower Heidelberg, Spring Townships: Norman H. Bare, Sinking Spring, R5; Lester W. Gelsinger, Robesonia, R1; Charles R. Kissling, Robesonia, R1; Wilbur F. Lutz, Sinking Spring; Mark Wolfskill, Robesonia R1; M. Kenneth Young, Sinking Spring RD.

Carter vetoes meat import bill

WASHINGTON, D.C. - President Carter has vetoed the Countercyclical Meat Import Bill which is supported by the American Farm Bureau Federation.

The Bill would have decreased beef imports when domestic supplies were high, and increased imports when domestic supplies were low.

Carter objected to the provision which limited his discretionary power to increase import quotas. Representative Thomas Foley (D.-Wash.), chairman of the United States House Agriculture Committee, predicts Congress will consider revising the beef import law again, at their next session.

Rural crime prevention program announced

HARRISBURG - Agriculture Secretary Kent Shelhamer announced a new program for rural crime prevention at a recent General Session of the Pennsylvania Farmers' Association's annual meeting.

The crime prevention program will initiate an identification process for farm machinery bearing a Pennsylvania driver's license number and the prefix PA. Farm machinery, and any personal property, inscribed with the new identification number can then be quickly identified by a computer through the Department of Transportation.

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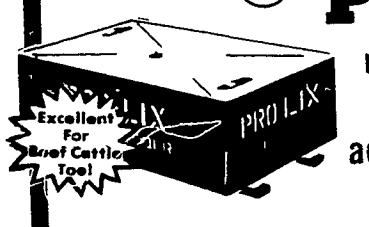
• GROWS STRONG, THRIFTY, BIG-FRAME HEIFERS AT A LOWER COST GRAIN FEEDING
• PROVIDES A CONVENIENT, ECONOMICAL MEANS OF FEEDING DRY COWS
• ELIMINATES LABOR IN THE CARE AND FEEDING OF BOTH DRY COWS AND REPLACEMENT HEIFERS



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U.S. agriculture illustrated graphically

Editor's Note: Charts used in this article are from the *1978 Handbook of Agricultural Charts*, which has just been released.

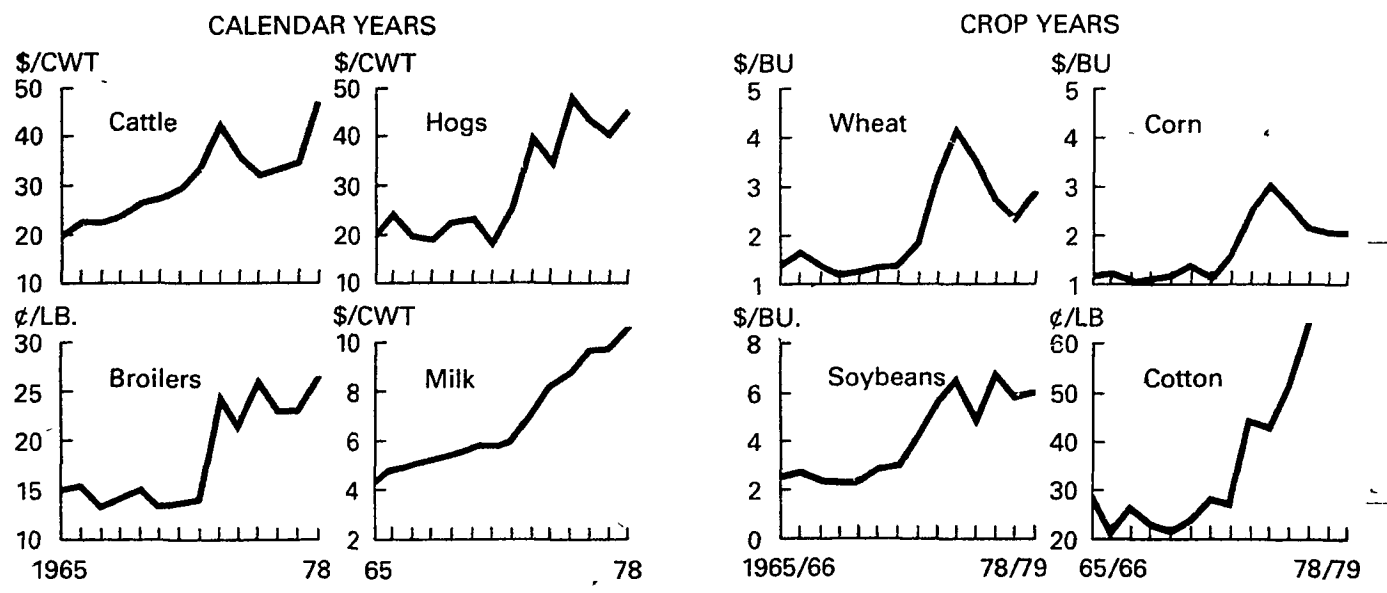
After rising sharply in the early 1970's, prices received by farmers weakened in mid-1977, recovering later in the year. For 1978, prices are expected to average about 15 percent above 1977.

As for prices paid by farmers, they have more than doubled during the past decade. The rate of gain is likely to accelerate in 1978, but remain below 1973-74 levels.

Other news on the homefront includes:

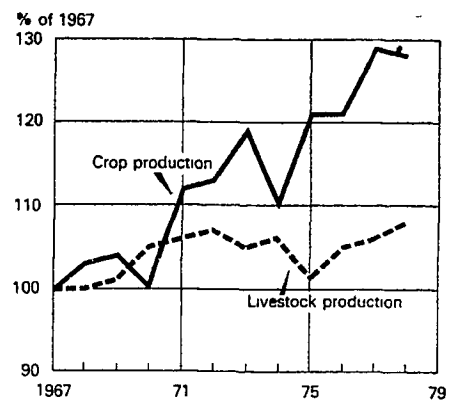
- U.S. farm population numbered about 1.9 million in 1977, down 20 percent from 1970 and 50 percent from 1960.
- Farm operator families, and a largely overlapping group defined as "people living on farms," earned nearly 60 percent of their income from off-farm sources during the past 2 years.
- Crop production in 1978 is near last year's level, while cropland used for crops is down 3 percent, after 5 years of increase. Crop production per acre is at a record level.

Prices Received By Farmers For Major Commodities



1978 and 1978/79 preliminary

Crop And Livestock Production



1978 preliminary

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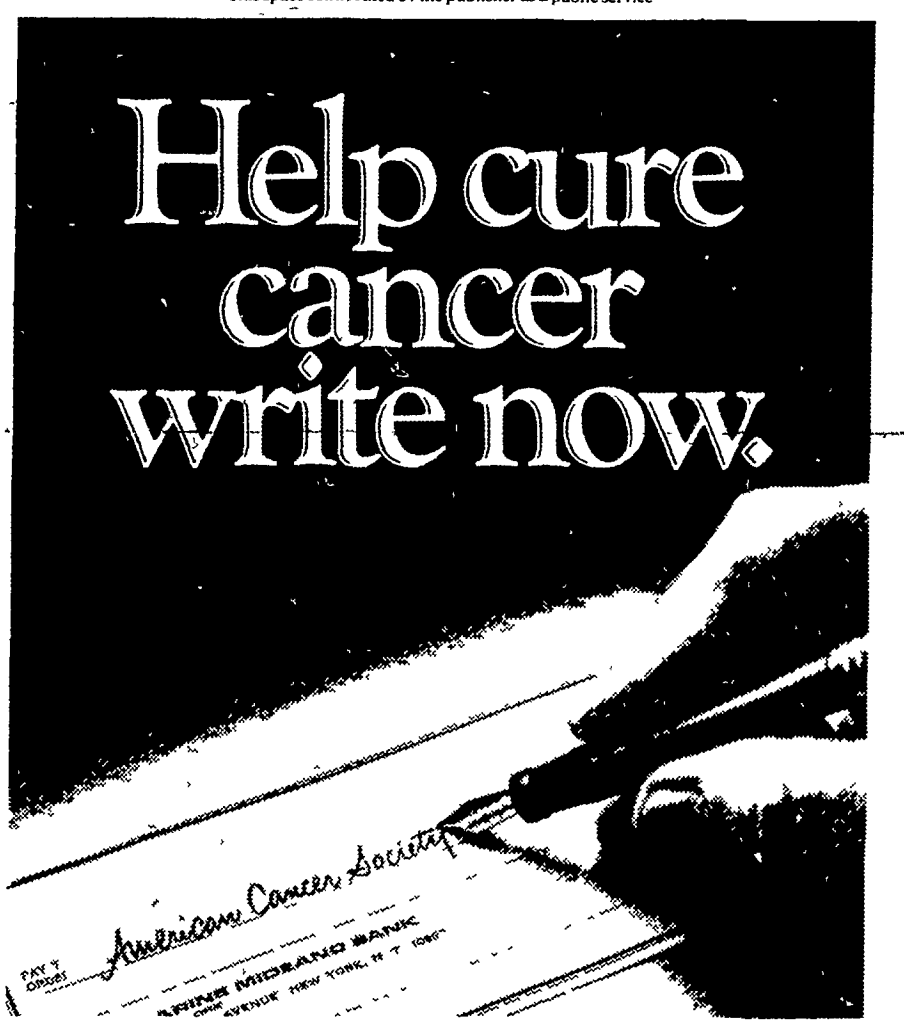

Thanks to your help, the tide is beginning to turn.

The past few years have brought new discoveries in chemotherapy.

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Tractor: Montgomery Ward 8 hp. w/mower & snow blade.

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A trip to Poland meant visits with old and new friends

By SALLY BAIR
Staff Writer

On two occasions, The Reverend and Mrs. Jay C. Garber, Lancaster R6, hosted Polish young people who were in this country as part of the Polish Exchange visitor Program for agriculturists, sponsored in cooperation with the Mennonite Central Committee. The Polish men each stayed for a period of six months, and worked on the Garber dairy farm while living with the Garber family.

This Fall, the Garbers had the rare opportunity to travel to Poland and visit the families of the young men they hosted. They traveled with a group of 42 people from the United States, including seven from Lancaster County, all of whom had played host to agriculturists during the course of the eight-year-old program. This was the first time ever that hosts were invited on an exchange visit to Poland. Mrs. Garber said, "We were treated royally. They were so pleased for us to take the time to visit them"

One of the Garbers' visitors, Ludwik Lipowski, is still in this country on a farm in Kansas, but they visited his sister in Poland. Another young man, Remigiusz Slusarski, traveled 250 miles from his home south of Warsaw to meet the Garbers and took them to visit his family farm, about two hours north of Warsaw. This visit, according to Mrs. Garber, "was the best thing that happened."

Remi, as he was called in this country, had visited with the Garber family from the Fall of 1976 to March of 1977. His parents owned a 40 hectare private farm, where they had a few cows, chickens, pigs and horses, typical for small private farms in Poland. They owned pasture land and raised wheat and hay for their animals. They had purchased their first tractor this Summer, a used one from a state farm.

While his parents spoke no English, Remi acted as interpreter and a very pleasant afternoon was passed as the two cultures came together. Their Polish farmhouse, situated in a village, was "typically old, with a thatched roof" and was moss covered, according to Mrs. Garber. They were told, however, that the family hopes to build a more modern home in a grove of birch trees on their property. Remi's parents had been given no advance notice of the visit, but his mother prepared a simple meal

HOMESTEAD NOTES

to share with her American guests, the first she had ever had in her home. "We were welcomed warmly," Mrs. Garber noted.

Both state and private farms were on the official itinerary of the American group. Seventy per cent of the land is in private farms, and the Polish government is encouraging these farms to specialize. Garber described the "unique incentive program" offered by the government. "The government is now attempting to specialize in certain kinds of agricultural production in a given area of the country. If a private farmer wishes to go along with this specialization, he receives certain benefits from the government."

Garber told of a modern beef operation they visited where a private farmer had built a new barn, with barn cleaner and other modern equipment. For cooperating with the government, he received an interest-free loan for two years to help build the buildings; thereafter he needed to pay just two per cent interest on the loan. The farmer is free to market the beef as he wishes, but if he sells beef to the state marketing system, the amount of his pension will be in proportion to the amount of beef he sells. This pension proposal, Garber said, is an incentive to have the marketing done through the state system, although the farmer could make more by selling in the open market. He added, "the young couple we visited seemed pleased with the arrangement."

Freedom is always a question which arises about people living in an Iron Curtain country, but Mrs. Garber said, "They have a lot of freedom, not like Czechoslovakia or East Germany. They are quite free in what they can do" She said they felt their questions about the country were answered sincerely and honestly by their Polish guide, a young woman provided by the Polish travel agency which arranged the tour. They felt they could talk freely and travel easily on their own.

Garber, who has visited other Eastern European countries, said, "The Polish people are lucky about their situation. They feel they have 400 times more freedom than people in the Soviet Union." He said he felt the Poles were sometimes unhappy with the amount of Russian presence in their country. For instance, much of what they raise still goes to Russia to pay off "war debts." Furthermore at the time of their visit there was a shortage of paint caused by a great need in Russia to get ready for the Olympics. Garber said, "They don't get much in return."

Mrs. Jay Garber shows some of the many handcrafted items that they received from their Polish visitors or purchased during their visit to Poland.

From his other visits, he feels Yugoslavia has much more western presence than Poland, with a "tremendous technology." Bulgaria, on the other hand, has a very "Marxist presence, which is a lot more visible."

Since Poland is ninety percent Catholic, Garber said, "It must be a tremendous embarrassment to an atheist government." He said religion is so powerful that the government must work with them. Garber, who is minister at the New Danville Mennonite Church, has had travel experience in his capacity as chairman of the Eastern Mennonite Board of Missions.

Mrs. Garber explained that at one time there had been many Mennonites in Poland, but many left or became absorbed by the other churches, so there are none there today. Garber said, "The Mennonite church has just started to identify with churches in Eastern European countries." While missionaries in the traditional sense may not be welcome, he said young people with student visas who study languages and literature are able to make contact with people in the churches. This contact, he noted, is appreciated by those church people in Eastern countries.

There was a wide spectrum of technology, in Poland, Garber said. In the course of the trip, he said, "I saw people using the cradle and the thresher and binder, balers and self-propelled combines." Most of the state farms had modern, large equipment to farm their vast amounts of land.

Garber said when they visited in September the Poles were harvesting wheat, which was two weeks later than usual because of rainy weather. Corn is raised, but for silage and not for grain production except in the extreme southern part of the country. He said they were told that corn is an "experimental thing. We got it from you and now we need to learn how to use it." The corn did not grow as tall as varieties grown here. Silage was stored in bunker silos, with concrete floors and concrete slabs dividing them. "They were covered with black plastic held in place by tires, just like here," he said.

A dairy farm was of particular interest to the Garbers. One state farm they visited had a dairy, a swine operation and bulls for stud service. The cows were Friesian, black and white, but with "short legs and stockier," Mrs. Garber said.

These are among the many momentoes which the Garbers have as a result of their relationship with the Polish agriculturists who visited in their home.

Garber noted that the "sanitary requirements were different from ours." The cows were housed in free stalls on one side of the barn and turned around and tied in stanchions to be milked on the other side of the barn. There was a pipeline with risers to pump the milk back to the milkhouse.

Mrs. Garber was impressed with the abundance of flowers everywhere in Poland, and especially with the fresh cut flowers presented to them by their Polish visitors as they eagerly greeted them in their home country. "This was a nice gesture-flowers mean a lot to them," she said.

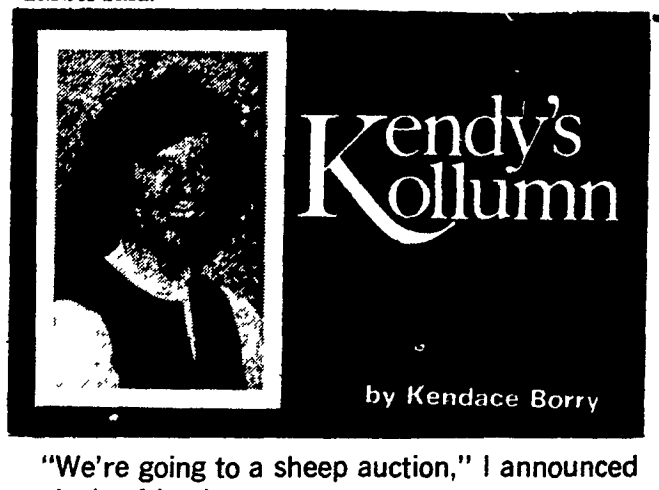
"The food we were served was very artistically prepared," Mrs. Garber noted. "I think they served us typically Polish foods. We seldom had dessert, but had a lot of tea and coffee. "All the foods were beautifully arranged."

She said, "The visit was a learning experience for both of us."

The Mennonite Central Committee in Akron is again looking for people who wish to host Polish agriculturists in their homes. The young men are employed by their hosts, either farmers or agribusinessmen, and spend six months with two different families. Mrs. Garber said they are all very well educated, and are closely screened before being accepted into the program, which is coordinated in Poland by the Scientific Association of Agricultural Technicians in Poland. She said their two visitors spoke English "quite well."

Garber summed up the feelings of the Americans when he described what he called the "most touching thing about the visit."

"After all the warm, candid displays of friendships, and embraces, we traveled by train and arrived at the Austrian-Czechoslovakian border at dawn. We were stopped so that an Austrian crew could board. We were in a no man's land and there were dual twelve foot high barbed wire fences, soldiers and machine guns and a guard tower. We waited there an hour to be cleared. All of us reflected on how much our visit might help to bring down those fences. The two feelings just cannot exist side by side."



"We're going to a sheep auction," I announced to the boyfriend.

He just grunted. By now he's used to a wide variety of odd Saturday night dates. We've been chaperones on a hay ride, represented the paper at banquets, and even chased sheep through cornfields. And he's taken it all very gracefully.

So I felt it was safe to take him along to the sheep sale.

It wasn't. A sheep sale is one of those situations where neither one of us can be trusted.

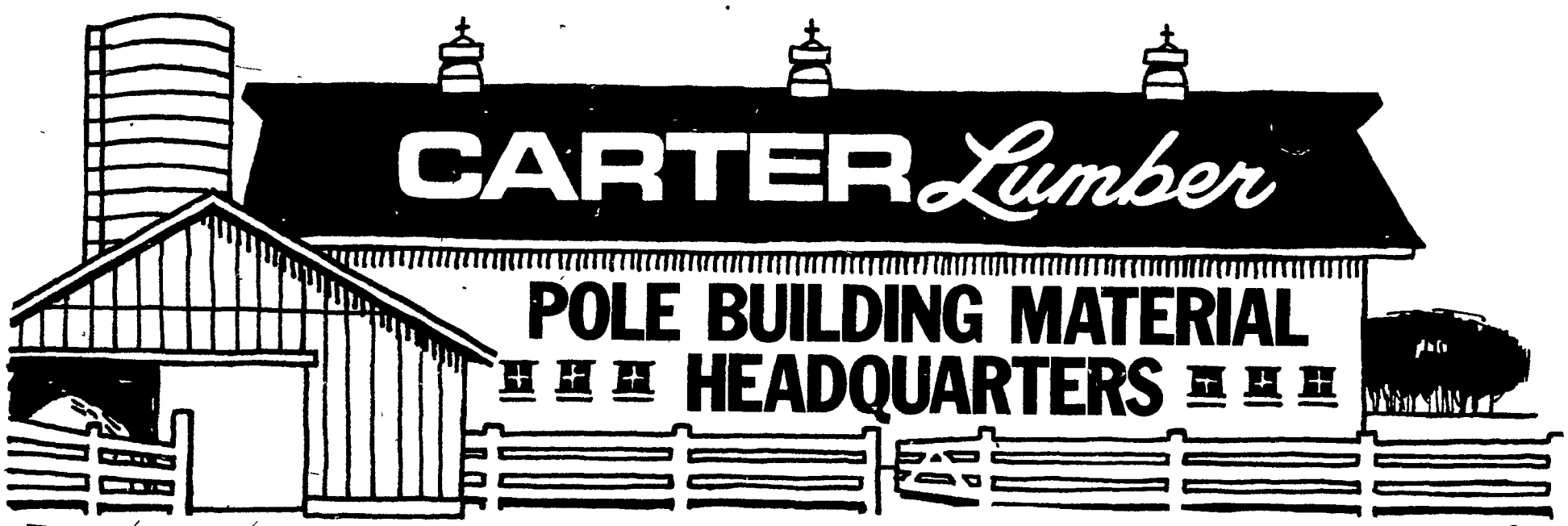
I wanted to bid on everything. He didn't want to bid on anything. The ones I liked, he didn't. the ones he liked, I didn't. The ones we both thought were okay cost too much.

As the evening continued, and everything continued out of my financial reach, I grew a little excited. I wanted a sheep. I was beginning to think I'd settle for one with three legs that walked backwards. Unfortunately, those weren't offered.

I made the mistake of agreeing before the sale to let him do all the bidding. I mainly sat on my chair, chewing my fingernails, tersely telling him to bid on that one, no, not that high, do you like that one, why isn't your hand up, bid that one up, pulleese, how much money did you bring with you?

The truck came home empty, sad to say. But now we both understand each other better.

Next Saturday I think we'll just try to have a normal, ordinary Saturday night date for a change. Maybe by then he will talk to me.



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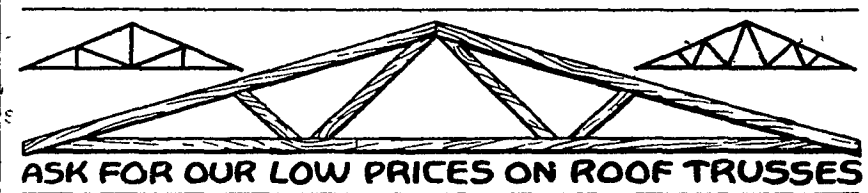

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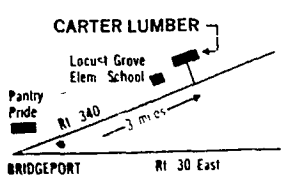

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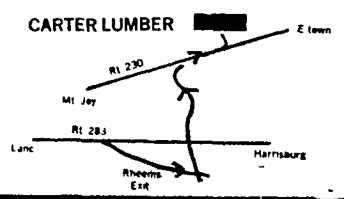

Junior Cooking Edition

Your craving for sweet morsels is about to be satisfied in this weeks Junior Cooking Edition. On the stick are licker snicker lollipops and mallow pops. Hard tack candy, peanut brittle, and sugared nuts, are some crunchy attractions while sesame seed rounds, nut fudge, peanut butter balls, apple-nut delight, French fudge and holiday yum-yums will melt in your mouth.

Next week will feature doughnut recipes from our Junior Readers. We have only received a few, so far, so send your favorite recipes in.

The 16th and 23rd of December will feature holiday cookies and other goodies. There is still plenty of time, so get your recipes in now.

From now until Christmas we will also feature a few non-food recipes that have been sent in.

December 30, will feature cheese, with the deadline for us to receive the recipes on December 28.

January 6 will feature different recipes using eggs, with the deadline being January 2.

Send your recipes to **Lancaster Farming**, Junior Cooking Edition, Box 366, Lititz, Pa. 17543. Make sure to send a complete recipe, with all ingredients and instructions along with your name, age, and complete address. Junior Readers who have their recipes published will receive a small gift for letting us publish your recipes, our way of saying thanks, from **Lancaster Farming**.

HARD TACK CANDY

2 cups granulated sugar
¾ cups light corn syrup
1 cup water
¾ teaspoon food coloring
¾ teaspoon desired flavored oil extract or 1 teaspoon vanilla

Mix sugar, syrup and water in saucepan. Stir until sugar is dissolved. Add flavoring and coloring. Stir longer, boil 30 minutes, until you test it. To test it, put a small drop of the mixture in a dish of cold water. Then eat it. If it doesn't stick to your teeth, it's done. Pour in a well greased pan.

Gwen Witmer
Age 12
Dalmatia RD, Pa.

MALLOW POPS

12 marshmallows
½ cup finely chopped walnuts
6 colored plastic straws

Stick marshmallows, one at a time with a long kitchen fork. Hold over the steam of a tea kettle until the marshmallow gets sticky. Roll marshmallow in finely chopped walnuts. Let stand on wax paper until firm. Cut the plastic straws in half. Insert half of a straw into the bottom of each marshmallow.

COCONUTTY MALLOWS

1 package semi-sweet chocolate pieces (1 cup)
1 tablespoon shortening
30 marshmallows
1 cup chopped nuts, or white or tinted snipped, shredded coconut

Melt chocolate and shortening (make sure to use shortening) over hot, but not boiling water. Stir until smooth. Drop marshmallows, one at a time, into mixture. Turn them until they are well coated. Lift out and roll in either chopped nuts or, toasted white or tinted snipped, shredded coconut. Refrigerate on waxed paper until they are well chilled.

TEN-MINUTE NUT FUDGE

1⅔ cups granulated sugar
1½ package semi-sweet chocolate pieces (1½ cups)
¼ cup chopped walnuts
2 tablespoons butter or margarine
½ teaspoon salt
⅔ cup evaporated milk (undiluted)
1 teaspoon vanilla extract
¼ cup pound marshmallows (snipped)

Using a two quart saucepan, mix sugar, butter, salt, and milk. Over medium heat bring to a boil. Boil for five minutes, stirring constantly. Remove from heat. Add chocolate and the rest of the ingredients. Beat vigorously until marshmallows melt. Pour into a greased 8x8x2 inch pan. Sprinkle the top of the fudge with more nuts if desired. Cool. Cut into small squares. Makes about five dozen squares.

SUGARED NUTS

1 cup walnut halves
1½ cups granulated sugar
¼ cup honey
½ cups water

Boil until it forms soft ball in cold water. Remove from heat. Stir in walnut halves and stir until creamy. Separate with fork.

Arlene R. Sauder
Age 14
East Earl R1, Pa.

PEANUT BUTTER BALLS

2 cups shredded coconut
½ cup creamy of chunk style peanut butter
4 teaspoons vanilla extract

Snip the shredded coconut. Mix coconut with peanut butter and vanilla. Mix well. Shape between palms of hands into small balls. Place on wax paper lined pan. Refrigerate until firm. Will make about two dozen.

APPLE-NUT DELIGHT

1 package fruit flavored gelatin
1 cup apple sauce
1 cup granulated sugar
⅔ cup chopped nuts
confectioners' sugar

Dissolve gelatin in hot applesauce. Add granulated sugar. Stir over low heat until dissolved. Add nuts. Pour into a 9x5x3 inch greased loaf pan. Refrigerate until firm. Cut into squares and roll in confectioners' sugar. After 24 hours, roll in confectioners' sugar again. Makes about three dozen.

LICKER SNIKER LOLLIPOPS

18 lollipops sticks
¼ cup butter or margarine
½ cup light corn syrup
¾ cup granulated sugar
½ teaspoon flavored oil extract
few drops of food coloring

Combine butter, corn syrup and sugar in a heavy one-quart saucepan. Heat to a boiling over medium-high heat. Stir occasionally, reduce heat to medium. Continue cooking, stirring frequently, to 270°F. on candy thermometer (or until a few drops of syrup, dropped onto very cold water separate into threads that are hard, but not brittle.). Stir in food coloring and extract. Lightly butter a 15½ by 12 inch baking sheet. Arrange lollipop sticks on baking sheet. Drop mixture by the tablespoonfuls over the end of each lollipop stick. Optional: to decorate; when lollipops are hot, press on candy decorations. To

(Turn to Page 53)

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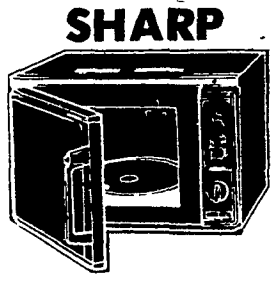
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Junior Cooking Edition

(Continued from Page 52)

decorate when cooled, brush underside of candy decorations with corn syrup and press onto lollipops. Cool lollipops throughly before removing from baking sheet. Will make 18 two-inch lollipops.

SESAME SEED ROUNDS

1 cup sesame seeds
honey to taste
¼ teaspoon almond extract
½ cup raisins
18 walnut halves, approximately

Blend sesame seeds in an electric blender until they are smooth. Turn onto a board and gradually knead in honey. (The seeds are fairly sweet themselves) Knead in the extract. Work in the rasiains and when mixture is a compact ball, pinch off small pieces and shape into flat rounds. Press half of a walnut into each candy. Store in a covered container in the refrigerator. Will yield about 18 candies.

PEANUT BRITTLE

2 cups granulated sugar
1 cup white corn syrup
½ cup water
3 cups raw peanuts
1 teaspoon butter, melted
1 teaspoon baking soda
1 teaspoon vanilla

Combine sugar, syrup, and water. Cook to the soft ball stage (236°F). Add peanuts and melted butter. Continue cooking until syrup is a golden brown (290°F). Stir during the last few minutes of cooking. Remove from heat and add baking soda and vanilla. Stir until mixture thickens. Pour into buttered tins and break into pieces when cold. If roasted peanuts are used, add them to the syrup mixture right before you remove the pan from the heat.

Susanna Troyer
Age 11
Hartly R1, Del.

HOLIDAY YUM YUMS

½ cup peanut butter
½ cup confectioners' sugar
½ cup honey
½ cup raisins
½ cup chopped nuts
½ cup rice cereal

Mix all ingredients (except confectioners' sugar) together. Form into balls. Roll in confectioners' sugar and put on wax paper.

Sharon Kay Hoover
Age 10
Womelsdorf, Pa.

EASY FRENCH FUDGE

2 packages (2 cups) semi-sweet chocolate pieces
1 cup chopped walnuts
¾ cup sweetened condensed milk
1 teaspoon vanilla extract (or run extract to taste)
dash of salt

Melt chocolate over hot, but not boiling water. Stir in salt, nuts, milk, and vanilla. Pour into a 9x5x3 inch waxed paper lined loaf pan. Cool for a few hours. Cut into squares when firm. Will make about 1¼ pounds.

PEANUT CLUSTERS

3 tablespoons corn syrup
1 package chocolate chips
1 cup miniature marshmallows
1 cup peanuts

Melt syrup, chocolate and marshmallows in a double broiler. Cool slightly. Add peanuts. Drop by teaspoonfuls onto waxed paper.

Arlene Sauder
Age 14
East Earl R1, Pa.

Tips for stain removal noted

WEST CHESTER – In the excitement of the holidays there's bound to be a spilled liquid or a dripping candle that can cause a spot or stain. So plan now to buy a few basic items to help with stain removal emergencies. You will need paper towels, cleaning fluids, a sponge, oxygen bleach, chlorine bleach, petroleum jelly and an enzyme pre-soak.

The key to stain removal is immediate treatment. When company is present and a spill occurs, use paper towels to absorb as much of the liquid as possible. Soak a sponge in cool water and use it to remove further traces of the spill. Later, you can get down to the business of final stain removal.

Test any stain remover on a corner of fabric first to see how it reacts. Treat spots from the back of the fabric. Place the spot downward on some paper towels so that the stain will come off the fabric instead of going through it. After treatment, regular laundering will usually remove the last traces of the stain.

Here are some special methods for treating the most common holiday-type stains.

Sponge fruit stains, including cranberries, immediately with cool water. Later soak in warm water and enzyme pre-soak. Then launder. If possible, launder again using cholorine bleach.

For gravy or milk stains, work a paste of detergent and water into the stain. If a greasy stain remains after laundering, sponge with a dry-cleaning solvent. Soak coffee or tea stains in warm water and an enzyme pre-soak or oxygen bleach and launder.

For candle wax spots, scrape off as much wax as possible. Then place the stain between layers of paper towels and press with a warm iron. Next, place the stain face downward on paper towels and sponge the back with dry-cleaning solvent. Launder when dry.

For lipstick spots, rub undiluted liquid detergent into the stain until outline of stain is removed. If after laundering, stain remains, sponge with dry-cleaning solvent.

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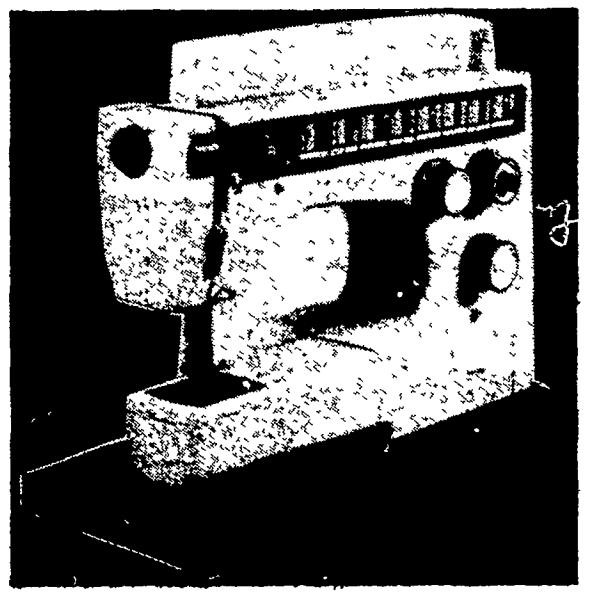

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Ladies Have You Heard?

By Doris Thomas

Lancaster Home Economist

HOW TO PREPARE YOUR HOME FOR WINTER

We have enjoyed a beautiful balmy Fall, but the first snow of the season this week reminds us that Winter is just around the corner.

Have you prepared your home for the coming months? Here is a checklist of projects to help you get your home ready for frigid temperatures.

Put clean filters in the furnace, and lay in a supply now so you can change filters regularly throughout the heating season.

Clean the exhaust vent on your automatic clothes dryer to remove dust and lint which have collected and will reduce drying efficiency. You will also be reducing a potential fire hazard.

Check fireplace dampers to make sure they are closed when the fireplace is not in use. Since hot air rises, an open damper can let heating dollars go right up your chimney.

Now is the time to put a new evaporator element in your furnace humidifier, and to buy extras for in-season replacement. Also check humidifier water valves as they can get plugged with sediment after being closed for half the year.

If you have room air conditioners in your windows, carefully weather strip around them if you cannot remove and store them for the winter. Special plastic covers are also a good investment or make your own one-shot covers with a roll of plastic film and masking tape.

Consider making plastic storm windows for unenclosed or unheated porches, basement windows or other windows lacking storm windows.

Check permanent windows to see that they fit tightly; if they do not use weather stripping or caulking. Weather strip doors that don't fit snugly.

A little effort spent making the home "heat-tight" will cut not only heat losses this winter but heating bills as well. And in these times of fuel shortages, conserving energy is everybodys business.

CHRISTMAS BERRY JELLY IS QUICK EASY GIFT

If you need a last-minute stocking stuffer or small gift that shows some thought without spending hours to track it down, try this recipe for Christmas Berry Jelly.

CHRISTMAS BERRY JELLY

2 cups apple juice
¼ cup lemon juice
½ cup cinnamon imperials (red hots)
¾ cup water
1 teaspoon red food coloring
¼ teaspoon mace
1 box powdered pectin
8 whole cloves
1 stick cinnamon
4 cups sugar

Mix apple and lemon juices, red hots, water, food coloring, mace and sugar in a large saucepan. Tie cloves and cinnamon stick in a cheesecloth bag and add to the mixture. Bring to a boil, stirring constantly. Stir in powdered pectin and bring to a full rolling boil. Boil hard for two minutes. Remove from heat and skim. Pour jelly into hot sterilized jars, leaving 1/8-inch head space. Adjust lids. Process five minutes in boiling water bath. Yield about 4 half-pints.

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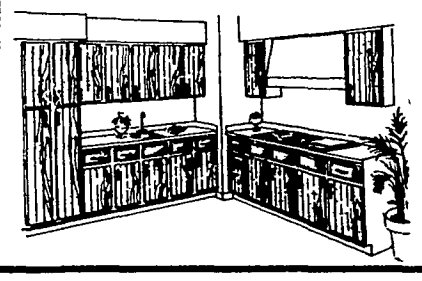

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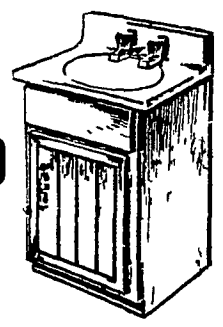

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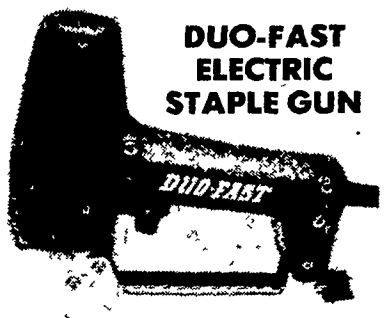

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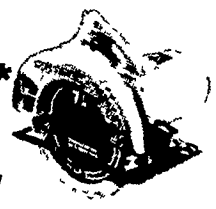

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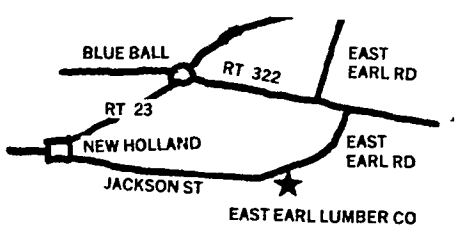

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Poinsettias are live Christmas decorations

FLEMINGTON, N.J. - It has to be the combination of attractive light green leaves, flaming scarlet bracts, and small yellow flowers that makes the poinsettia the favored Christmas flower.

The garden centers, florist shops, retail greenhouses abound in poinsettias these three or four weeks prior to Christmas.

The poinsettia, incidentally, derives its name from Joel R. Poinsett, American Ambassador to Mexico in the mid-1880's. He introduced the plant to the U.S.

Plant breeders have improved the plant over the years. They are much more hardy, can seem to thrive in most homes right on to Easter. They are generally expected to maintain their color and foliage even to May when they are set out in a sheltered spot in the yard.

Selection of a poinsettia early in the season is best. A person will have many types to choose from. Not just in shape, density and size, but color. They are available in pink, white, variegated, in addition to the traditional scarlet.

There are two general types of poinsettias: branched and unbranched. Growers induce branching by pinching off the growing tip early in the season. Sideshoots then develop. There will be more bracts and flowers as a result.

In potting the plants, a florist will generally plant several together. Prices are usually based on overall size and the number of bracts.

It's best for a person to select a poinsettia with large symmetrical bracts and stems covered with numerous and healthy-appearing leaves.

Once it's home, one should treat his newly purchased "Christmas Flower" with care. One can prolong its life and enjoy its beauty by—

placing it in a room with sufficient light to read fine print.

avoid drafts or excess heat from appliances, fireplaces, radiators, heating ducts;

selecting a place out of the traffic area;

placing the pot in a water-tight tray or container to protect furnishings;

watering plant thoroughly when soil is dry to touch, discard excess water. It won't like wet feet.

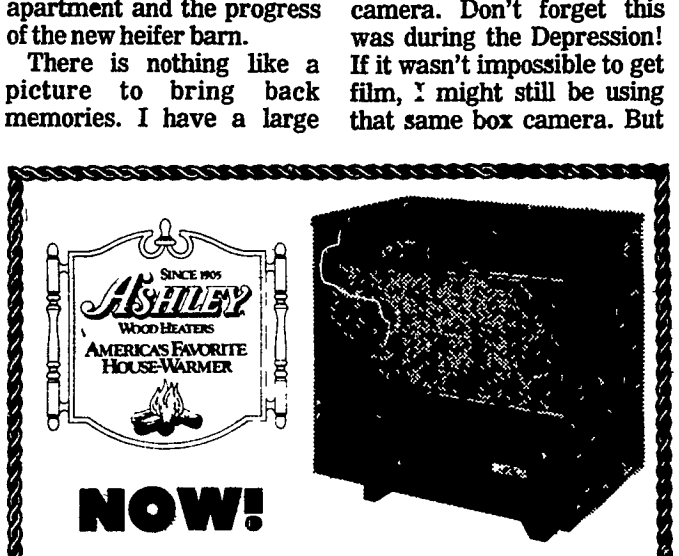
and keeping the best temperatures which are no higher than 72 degrees F. day or 60 degrees F. night to prolong the bright colors of the bracts.

When the bracts fade, hopefully, not for several months, a person should cut plant back to eight inches and allow to grow as a foliage plant. It can be placed out-of-doors in warm weather. Night-time temperatures below 50 degrees F. should be avoided.

In addition to the poinsettia, a person might wish to consider a few of the other popular Christmas plants: Cyclamen, Azalia, Chrysanthemum, Begonia, Jerusalem cherry, Kalanchoe, Christmas pepper.

Sandwich Meal

Making that lunchtime sandwich into a meal is simple fresh fruits and vegetables add the necessary ingredients. Pack a whole tomato to slice fresh right before eating Top off many sandwich creations with alfalfa sprouts Sprouts combine well with turkey, ham, bacon, lettuce, tomato avocado and cheese



Ida's Notebook

Ida Risser

A few days ago, I received an envelope of snapshots in the mail. It contained printed evidence of happenings from the Summer and Fall Season. Pictured were achievements of different children, Philip's room at college, Judy's first apartment and the progress of the new heifer barn.

There is nothing like a picture to bring back memories. I have a large camel-back trunk filled with photos from years gone by. The first ones were taken when at the age of twelve, I begged a camera from my aunt and grandfather. The two of them finally decided they'd pool resources and spend three dollars for a camera. Don't forget this was during the Depression! If it wasn't impossible to get film, I might still be using that same box camera. But on my birthday, my husband-to-be surprised me with an expensive one which I used for thirty years. Only recently did I splurge and get one that takes indoor pictures without flash cubes. They always seemed to cause so much trouble for other people – like not having any when when you needed them.

Sometimes people are asked to list, in order, what they would save from a burning house. I've always put that trunk of photos at the top of the list. There is one of my first baby in her grandpa's arms – standing on the same spot where he held me. There is one of our first son, at age nine months, sitting on a tricycle with his muscular legs on the pedals. One of our second son, age 18 months, as he sneaked to the barn with a yardstick to "get the cows up." And many others that bring back a rush of memories of all 19 cousins at a picnic or my husband and the first deer that he shot.

At least they are all marked and dated and someday, if I ever sit down long enough, I'll put them all in albums.

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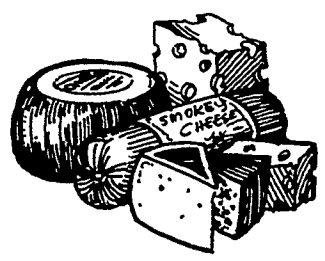
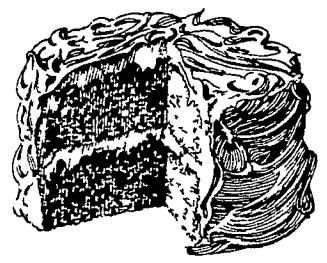


Home on the Range



If the number of cookie recipes is any indication of how many people are in the Christmas spirit, then this should be a merry, merry Christmas season indeed. In today's Home on the Range, you will find oodles and oodles of Christmas cookie recipes, from the traditional chocolate chip cookie to the holiday fruit cookie. All can be found below.

Next week's theme will be Holiday Candies, with the following week's column to be filled with all sorts of Christmas Goodies to be made.

The last week before Christmas will feature Turkey Specialities, and more recipes using turkey are needed. We also want more New Year Day Dinner recipes, which will show those recipes that are used to especially welcome in the new year.

In last week's Home on the Range, there was a mixup between two of the recipes. The directions for the Perfection Fruitcake were listed under the Holiday Nutcake and the Holiday Nutcake directions were with the Perfection Fruitcake.

Send your recipes to Home on the Range, **Lancaster Farming**, Box 366, Lititz, Pa. 17543.

Cookies, cookies, cookies are a treat any time but seem to be especially good around Christmas time. Whether they are the old favorite chocolate chip cookies pictured above, or one of the other recipes featured in today's Home on the Range, the sight of any of them will brighten everyone's Christmas spirits.

HILLBILLY COOKIES

½ cup shortening
1¼ cups granulated sugar
2 eggs
⅓ cup honey
1 teaspoon baking soda
1 teaspoon salt
1¾ cups flour
2 cups oatmeal
1 cup raisins
½ cup chopped nuts

Heat oven to 350 Degrees F. Mix shortening, sugar, eggs, honey, soda, and salt thoroughly. Stir in remaining ingredients. Shape dough by rounded teaspoonfuls into balls. Place two inhes apart on an ungreased cookie sheet. Flatten with bottom of glass dipped in sugar. Bake ten minutes or until light brown. Immediately remove from the cookie sheep. makes five dozen cookes. Colored sugar can be used instead of white sugar for the holidays.

Edna Hoover
Manheim, Pa.

HONEY COOKIES

1½ cups honey
1½ cups brown sugar
¼ teaspoon salt
1 tablespoon baking soda in vinegar
2 tablespoons vinegar
3 eggs, unbeaten
2 pounds flour
1 teaspoon baking powder

Combine all ingredients in a bowl and mix. Drop with spoon on greased tin and bake 12 to 15 minutes at 350 Degrees F., or until done.

Mrs. Charles Biehl
Mertztown, Pa.

CHOCOLATE PEANUT BUTTER COOKIES

2 cups sifted all-purpose flour
½ teaspoon double-acting baking powder
¼ teaspoon baking soda
¼ teaspoon salt
½ cup shortening
½ cup peanut butter
½ cup granulated sugar
½ cup firmly packed brown sugar
1 well beaten egg
½ cup milk
1 cup semi-sweet chocolate chips

Preheat oven to 375 Degrees F. Sift flour, baking powder, baking soda and salt together. Cream shortening and peanut butter together. Blend in both granulated and brown sugar. Add one well-beaten egg and mix thoroughly. Stir in flour mixture alternately with ½ cup milk, mixing well. Fold in cup of chocolate chips. Drop by small teaspoonfuls onto an ungreased baking sheet. Bake about 12 minutes. Yields about three dozen cookies.

Mrs. Levi M.. Beachy
Selinsgrove, Pa.

REFRIGERATOR DATE PINWHEELS

2¼ cups chopped pitted dates
1 cup granulated sugar
1 cup water
1 cup chopped nuts
1 cup shortening
2 cups brown sugar
3 eggs, well-beaten
4 cups sifted all-purpose flour
½ teaspoon salt
½ teaspoon baking soda

Combine the dates, sugar, and water in a saucepan and cook over low heat until thick, about ten minutes. Add nut meats and cool. Meanwhile cream shortening, add brown sugar gradually while creaming. Add well beaten eggs, beat well. Add remaining ingredients, sifted together. Mix well. Chill thoroughly.

Divide the mixture into two parts, roll each out separately into a rectanagle a little less than ¼ inch thick. Spread each with some of the date filling and roll up as a jelly roll into two long rolls. chill overnight. Cut into slices about ¼ inch thick and place on greased cookie sheet. Bake at 375 Degrees F. until slightly brown. Makes about five dozen cookies.

PEANUT BLOOSOMS

½ cup butter
½ cup peanut butter
½ cup granulated sugar
½ cup brown sugar
1 unbeaten egg
1 teaspoon vanilla
1¾ cups sifted flour
½ teaspoon baking soda
½ teaspoon salt

Cream together butter and peanut butter. Gradually add granulated sugar and brown sugar, creaming together well. Blend egg and vanilla together. Sift flour baking soda and salt together. Blend in the dry ingredients gradually. Mix well. Shape dough into balls one inch thick in diameter. Roll balls in granulated sugar and put on ungreased cookie sheet. Bake at 375 Degrees F. for five to seven minutes. Remove from oven. Put a chocolate kiss on each cookie and press in. Return to oven and bake two to five minutes longer.

Mrs. Daniel Weaver
Boiling Springs, Pa.

OLD FASHIONED GINGER SNAPS

1 cup brown sugar, packed
1 cup shortening
2 cups unsulphured molasses
2 tablespoons ginger
2 teaspoons baking soda dissolved in ½ cup boiling water
8 cups flour

Cream together brown sugar and shortening. Add molasses, ginger, and boiling water with dissolved soda. Gradually add the flour. Mix well until dough becomes very stiff. Shape into a ball. Roll out very thin. Cut out cookies with cookie cutters. Place on well greased cookie sheets. bake in 375 Degree F. oven, for eight to ten mintues.

Mrs. Paul Baumgardner
Emmitsburg, Md.

CHRISTMAS TREES

1 cup shortening
¾ cup granulated sugar
1 egg
2¼ cups flour
pinch of salt
¼ teaspoon baking powder
1 teaspoon almond flavoring
few drops of green food coloring (optional)

Cream shortening and sugar, add the egg, then the dry ingredients and flavoring. Mix well, then put through cookie press. Bake at 375 Degrees F. until done.

Mrs. David S. Blank
Kinzers, Pa.

CHRISTMAS COOKIES

1 cup butter
1 cup brown sugar
2 eggs, well beaten
⅓ cup milk
pinch of salt
1 teaspoon baking soda
1 teaspoon vanilla
3 cups flour
1 pound cut up dates
½ pound candied cherries
½ pound candied pineapple
2 cups cut up nuts

Cut up dates, cherries, pineapples and chop nuts. Cream sugar and butter, add the eggs, milk, and dry ingredients. Add nuts and chopped up fruit. Drop on greased cookie sheet and bake at 350 to 375 degrees F. Yields about seven dozen.

UNBAKED CHOCOLATE COOKIES

12 ounces chocolate chips
1 teaspoon butter
2 egg whites, beaten until stiff
1¼ cup powdered sugar
1 teaspoon vanilla
1 teaspoon salt
24 marshmallows, quartered
1 cup broken walnuts

Melt chocolate chips over hot water, with one teaspoon butter added to chocolate chips. Beat two egg whites very stiff. Add powdered sugar, vanilla and salt. In a large bowl, quarter 24 marshmallows and 1 cup broken walnuts. Fold in chocolate mixture in egg whites, then add this to marshmallows and nuts. Drop by spoonfuls on wax paper.

Mrs. Merle Mishler
Hollsopple, Pa.

(Turn to Page 57)

Recipe Theme Calendar

DECEMBER

9	Holiday Candies Deadline December 2
16	Christmas Goodies Deadline December 9
23	Turkey Specialties Deadline December 16
30	New Year Day Dinners Deadline December 23

Home on the Range

(Continued from Page 56)

QUICK MIXED COOKIES

2 cups sifted enriched flour
½ teaspoon baking soda
1 teaspoon salt
1 cup brown sugar
¾ cup shortening
1 egg
1 teaspoon vanilla
2 tablespoons milk
½ cup chopped nuts
½ cup candied or maraschino cherries
½ cup coconut

Sift flour, soda, and salt together in a mixing bowl. Add the sugar, shortening and egg. Mix the vanilla extract with the milk and add to the flour mixture. Stir the mixture to integrate the ingredients. Beat for two minutes. Stir in the nuts, cherries, and cocomut, using dates, raisins, or other berries or fruits if preferred. Drop spoonful at a time on the greased baking sheet. Bake in moderate oven at 375 Degrees F. for ten to 15 minutes. Makes four dozen two inch cookies.

EASY MIX APIECE COOKIES

4 cups sifted all purpose flour
1 teaspoon baking powder
½ teaspoon baking soda
1 cup soft butter
1½ cups granulated sugar
1 egg
½ cup dairy sour cream
1 teaspoon vanilla

Sift the flour with the baking powder, soda, and salt. Set aside. In a large bowl of the electric mixer, at medium speed, beat the butter, s;ugar, and egg until light and fluffy. At low speed, beat in sour cream and vanilla until smooth. Gradually add flour mixture, beating until well combined. Form dough into a ball, wrap in waxed paper, refrigerate for several hours. Divide dough into four pats, keeping it cold while rolling out. Preheat to 375 Degrees F. Grease cookie sheets. On well floured surface roll out dough one part at a time ¼ inch thick. Sprinkle tops of cookies with sugar, or if preferred, place a pecan or almond in the center of each cookie. Bake 10 to 12 minutes or until golden.

Gloria Loch
Fogelsville, Pa.

FUDGE NUT BARS

2 cups brown sugar
1 cup butter
2 eggs
1 teaspoons vanilla
2½ cups flour
1 teaspoons baking soda
1 teaspoon salt
3 cups oatmeal

Filling

12 ounces semi sweet chocolate bits
1 cup condensed milk
1 tablespoon butter
½ teaspoon salt
1 cup chopped nuts
2 teaspoons vanilla

Melt the filling ingredients in a saucepan over low heat. Mix and spread ⅔ of the dough mixture in a large pan, then spread the melted chocolate mixture on the top. Swirl the remainder of the dough over the chocolate filling. Bake at 350 Degrees F. for 25 to 30 minutes.

Mrs. Vera M. Hoover
Myerstown, Pa.

SUGAR COOKIES

¾ cup shortening (partly butter)
1 cup granulated sugar
2 eggs
½ teaspoon lemon flavoring or 1 teaspoon vanilla
2½ cups flour
1 teaspoon baking powder
1 teaspoon salt

Mix together well the shortening, sugar, eggs, and flavoring. Blend the flour, baking powder, and salt together, then stir in. Chill for at least one hour. Heat the oven to 400 Degrees F. in a moderate hot oven. Roll dough 18 inch thick on a floured board or other flat surface. Cut with desired cookie cutter. Place on ungreased baking sheet. Bake six to eight minutes. Makes about four dozen.

Mrs. Ruth E. Ruoss
Blain, Pa.

HOLIDAY FRUIT COOKIES

3½ cups sifted flour
1 teaspoon baking soda
½ teaspoon salt
1 cup soft butter
2 cups packed light brown sugar
2 eggs
½ cup buttermilk
1 teaspon vanilla extract
1½ cup chopped walnuts or other nuts
2 cups pitted dates, cut up
2 cups halved candied cherries

Sift togehter flour, baking soda, and salt, and reserve. Put butter in a large bowl. Add sugar and eggs and beat with a wooden spoon until light and fluffy. Next add buttermilk, vanilla extract and flour mixture and mix well. Stir in chopped nuts, dates, and candied cherries. Drop by teaspoonfuls on lightly greased cookie sheets. If desired, top each with a nut half, bake in moderate oven (350 Degrees F.) for 12 minutes, or until lightly browned. Makes about eight dozen.

Mrs. Eva S. Rubinosky
Upper Gwynedd, Pa.

CHOCOLATE CHIP COOKIES

⅔ cup shortening
⅔ cup butter
1 cup granulated sugar
1 cup brown sugar
2 eggs
2 teaspoons vanilla
3 cups flour
1 teaspoon baking soda
1 teaspoon salt
1 cup chopped nuts
12 ounces semi-sweet chocolate bits

Mix the shortening, butter, sugar, eggs and vanilla together. Stir in the remaining ingredients. Mix well. Drop the dough onto an ungreased cookie sheet. Bake for eight to ten minutes at 375 Degrees F. or until lightly brown. Cool slightly before removing from cookie sheet.

(Turn to Page 58).

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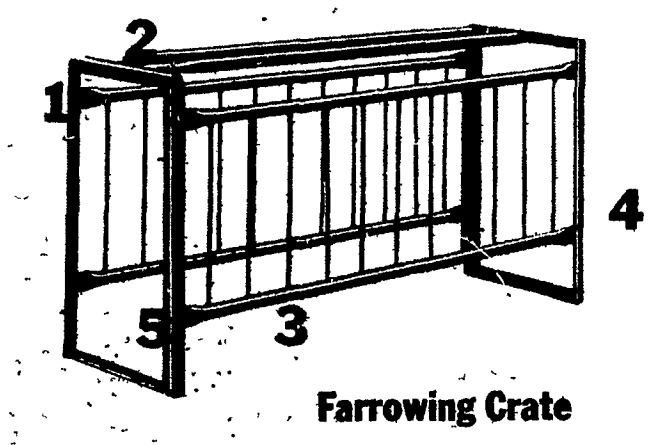

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Home on the Range

(Continued from Page 57)

SWEDISH CHRISTMAS COOKIES

⅔ cup brown sugar
⅔ cup molasses
1 teaspoon ginger
2 teaspoons cinnamon
1 teaspoon cloves
¾ teaspoon baking soda
⅔ cup butter
1 egg
5 cups flour, approximate
granulated sugar for topping

Heat butter and molasses to boiling point. Add baking soda and pour over butter in large mixing bowl. Stir until butter melts. Add egg and sifted flour, enough to make a stiff, workable dough. Divide dough into small, flat portions, about six inches in diameter, ¾ of an inch thick. Wrap each portion in waxed paper until ready to use. Roll out on lightly floured board or pastry cloth. Dough may be chilled before rolling if necessary. Cut with cookie cutters and bake on greased baking sheet at 325 Degrees F. for eight to ten minutes.

Note: The cookies are best rolled very thin. They may be sprinkled with sugar before baking or decorated after with white icing made from one cup confectioners sugar and one egg white.

SPICE PEAR BARS

2 cups all purpose flour
1 cup quick cooking rolled oats
1 cup flaked coconut
1 cup packed brown sugar
1 teaspoon baking soda
1 cup butter
4 medium pears, peeled, cored, and chopped, (2 cups)
½ cup chopped nuts
¾ cup granulated sugar
¼ teaspoon ground cinnamon
¼ teaspoon ground ginger
3 tablespoons butter

In bowl stir togethr flour, oats, coconut, brown sugar, baking soda, and ¼ teaspoon salt; cut in one cup butter until mixture is crumbly. Pat half of the mixture into a greased 15½ x 10½ x 2 inch pan. Cover with pears. Combine nuts, granulated sugar, and spices; sprinkle over frut. Dot with three tablespoons butter. Pat remaining oat mixture over all. Bake at 375 Degrees F. for 45 to 60 minutes. Cut into bars while still warm. Makes four dozen.

On being a farm wife

—*And other hazards*

By JOYCE BUPP

Voices. Crying in the wilderness.

Does anyone hear? Or care?

The voices are those of young farm families, struggling to grasp hold of a way of life, watching as that chance slips from their fingertips and is lost in the wilderness.

The wilderness? It's a jungle of sky-high land prices, fast-growing machinery costs, interest rates with a stranglehold that threatens to choke the existence of agriculture credit.

I listened to the voices of frustrated young farmers, pleading for help in finding a way through the financial jungle maze during a Young Farmer Forum, sponsored recently by the Baltimore District of the nationwide Farm Credit system.

Farm Credit includes the Production Credit Association and the Federal Land Bank Association, a self-supporting agriculture credit cooperation, owned and operated by the farmer-members which it serves.

Although the federal government loaned seed money in 1916 to get Farm Credit off and running, those funds have been paid back for ten years. Today, we obtain our lending funds through the money markets of the world.

And, you know what shape our dollar is in on the world market. And, it's going to cost each one of us more just to plant and harvest the food supply.

These young farmers aren't asking for a handout. For public assistance. For a tax-free grant. All they seek is the chance to borrow capital, to raise their families on the land, to prove themselves.

Maybe a hundred acres of productive ground, with a barn and a house on it. The beginnings of a herd of income-sustaining livestock. Enough basic machinery to plow, plant and gather.

Grandpa paid $200 an acre for land and probably thought he'd been taken. Today, a buyer counts his blessings if the price stops at $2,000

Grandpa paid $100 for a good milk cow. Today, you might get a decent grade Holstein - not a purebred with registry - for $1,000

Grandpa had a tractor too. It probably cost him $2,000. Today, you won't touch a new one for $20,000.

Grandpa's prices are gone. Grandpa's financing methods have got to go, too.

We must have dependable "borrow power", available when needed, at reasonable rates and payback times.

Understanding and knowledgeable agriculture lenders and financing boards were never needed more than they are right now, whether they be through the Farm Credit system or through commercial banking.

Many young farmers need Farm Credit to survive. Without the support of those same young people, in a few years, Farm Credit won't survive.

After all, isn't that what cooperatives are all about?

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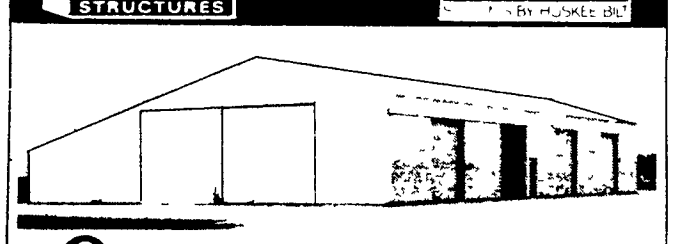

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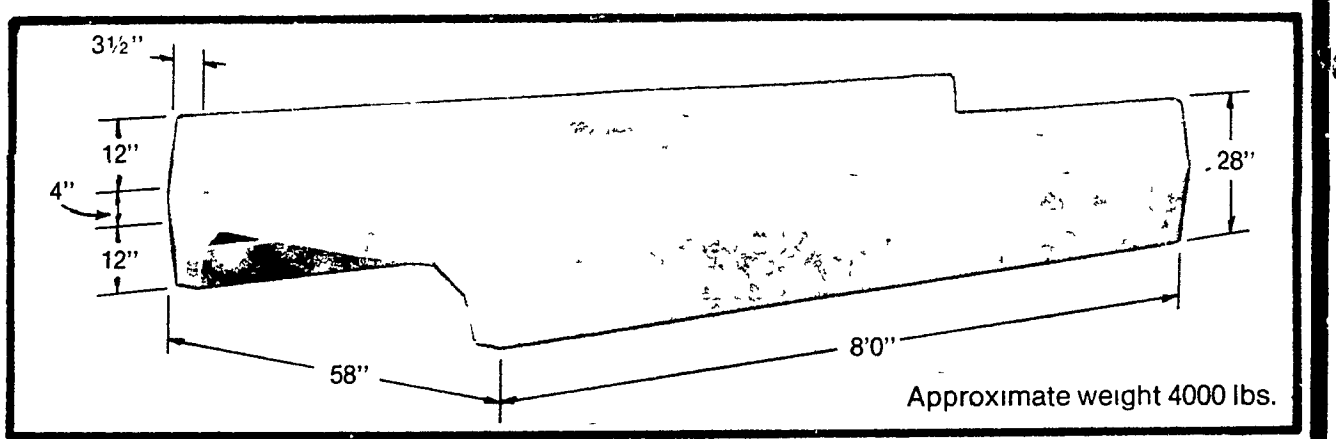

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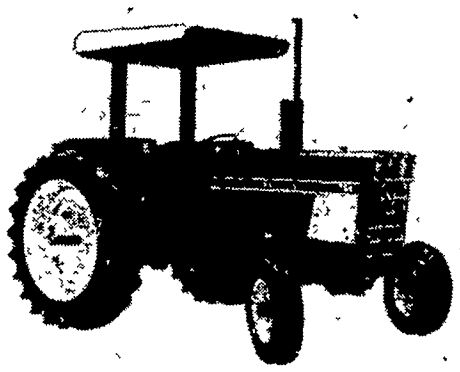

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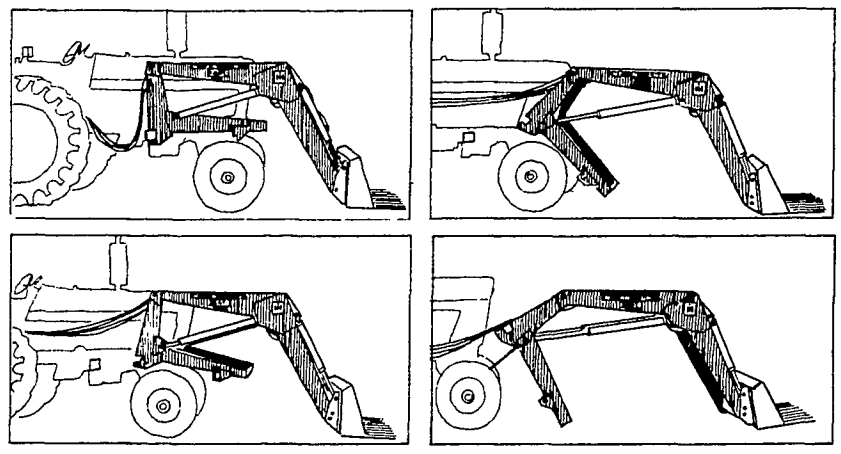

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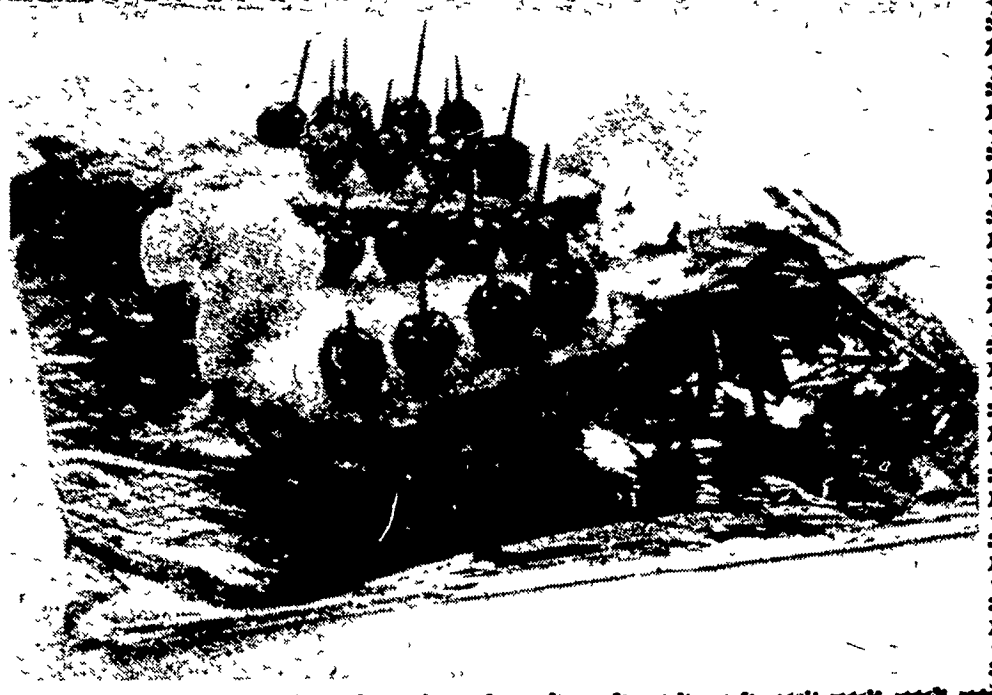

These regal swans, made from a pineapple sliced in half lengthwise, would be a treat to put on any table.

Holiday recipes look as good as they taste

LEBANON — Food is more than just to eat was the point brought home by Lois Donley, home economist from Lebanon County, in her recent presentation at the Lebanon County Extension Holiday for Homemakers. Using a variety of ingredients she showed how special holiday recipes can "taste delicious and look lovely".

One of her creations was a pineapple swan, a simple holiday treat made from a pineapple split in half, which forms the body of the swan. Bright maraschino cherries lined the back of the pineapple farming stately wings. The proud arched head of the bird was made from pieces of pineapple stuck on toothpicks.

Telling her audience that Christmas is a special time for special foods, she shared the following recipes.

PEPPERONI MUSHROOMS

12 large mushrooms
2 tablespoons butter
1 medium finely chopped onion
2 ounces pepperoni, diced
¼ cup finely chopped green pepper
1 small clove garlic, minced
½ cup finely crushed rich round crackers (12)
3 tablespoons Parmesan cheese
1 tablespoon snipped parsley
½ teaspoon seasoned salt
¼ teaspoon oregano
½ cup chicken broth

Wash mushrooms. Remove stems, finely chop stems and reserve. Drain caps on paper towel. Melt butter or margarine in skillet, add onion, pepperoni, green pepper, garlic, and chopped mushroom stems. Cook until vegetables are tender, but not brown. Add crackers, cheese, parsley, salt, oregano, and pepper. Mix well. Stir in chicken broth. Spoon stuffing into mushroom caps, rouding caps. Place caps in shallow baking pan. Bake uncovered in 325 Degrees F. oven for 25 minutes.

STUFFED MUSHROOMS

8 ounce package cream cheese
3 ounces Parmesan cheese
garlic salt and pepper to taste and milk to thin
mushroom caps

Beat with electric mixer and place mixture in mushroom caps and broil.

MRS. OLDHOUSER'S VEGETABLE DIP

1 tablespoon water
2 tablespoons vinegar
1 tablespoon granulated sugar
1 egg
salt
8 ounce package cream cheese
2 tablespoons onion and green peppers, finely chopped

Mix water, vinegar, sugar, and egg together. Heat over medium heat until thickened. Cool. Beat softened cream cheese. Add vinegar mixture to cream cheese. Add onions and green peppers.

HOT DIP

8 ounces cream cheese
1 small jar, ¼ cup, dried beef, finely chopped
1 tablespoon green pepper
1 tablespoon minced onion
1 tablespoon pepper
1 small container sour cream

Mix ingredients and heat at 350 Degrees F. for 15 minutes. Serve on party rye or pumpernickel bread.

CITRUS HONEY PEAS

1 tablespoon grated orange and lemon rind
2 tablespoons butter
juice of one orange
juice of one lemon
¼ cup honey
2 cups cooked fozen peas, or 1 No. 303 can early garden peas, drained
¼ cup chopped pimento

Saute rind in butter for two or three minutes. Stir in juice and honey. Cook rapidly for several minutes or until thickened. Add peas and pimento, heat. Serves four.

PUMPKIN CHEESECAKE

1½ cup graham cracker crumbs
½ cup finely chopped pecans
3 tablespoons granulated sugar
¼ teaspoon pumpkin pie spice
6 tablespoons butter
1 carton (16 ounces) creamed cottage cheese, small curd
4 eggs
3 packages, (8 ounces each) cream cheese, softened
1 cup granulated sugar
2 tablespoons flour
1 teaspoon grated orange rind
1½ teaspoon pumpkin pie spice
½ teaspoon salt
1 can (1 pound) pumpkin or 2 cups cooked pumpkin, or 2 cups butternut squash
1 pint sour cream
¼ cup orange marmalade
1 orange

Mix graham cracker crumbs, pecans, sugar, pumpkin pie spice, and stir in butter. Press mixture evenly on bottom and 1½ inches up side of 10 inch springform pan. Bake for ten minutes and cool.

Mix cottage cheese and eggs in blender on high speed until smooth. Beat cream cheese, sugar, grated orange rind, pumkin pie spice, salt an dcottage cheese mixture inlarge mixer bowl until smooth. Fold in pumpkin. Pour into baked graham cracker crust. Bake at 300 Degrees F. for 1½ hours. Cool on top of range for one hour.

Heat oven to 350 Degrees F. Mix sour cream and orange marmalade; spread over cheesecake. Bake for ten minutes; cool slightly and refrigerate. Cheesecake can be refrigerated up to ten days.

DILLY GREEN TOMATOES

3½ pounds green cherry tomatoes
To each pint add:
1 clove garlic
1 tablespoon sliced red hot pepper
1 head fresh dill or teaspoon dillweed, or 2 tablespoons dillseed

Wash tomatoes. Drain and pack into hot pint jars. Add seasoning to each pint jar. Combine two quarts water, 1 quart cider vinegar, and ½ cup granulated pickling salt. Bring to boiling; fill hot jars to within ½ inch of top. Adjust lids. Process in boiling water bath for five minutes.

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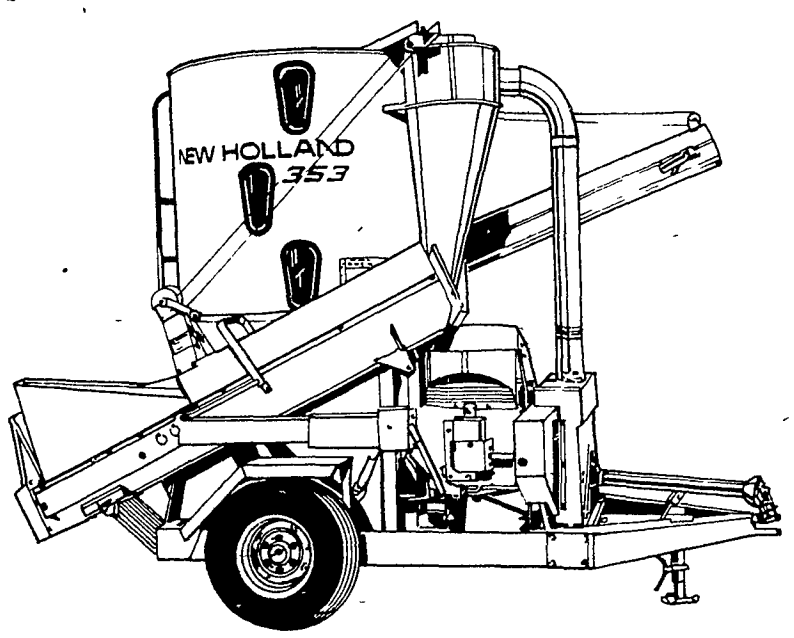

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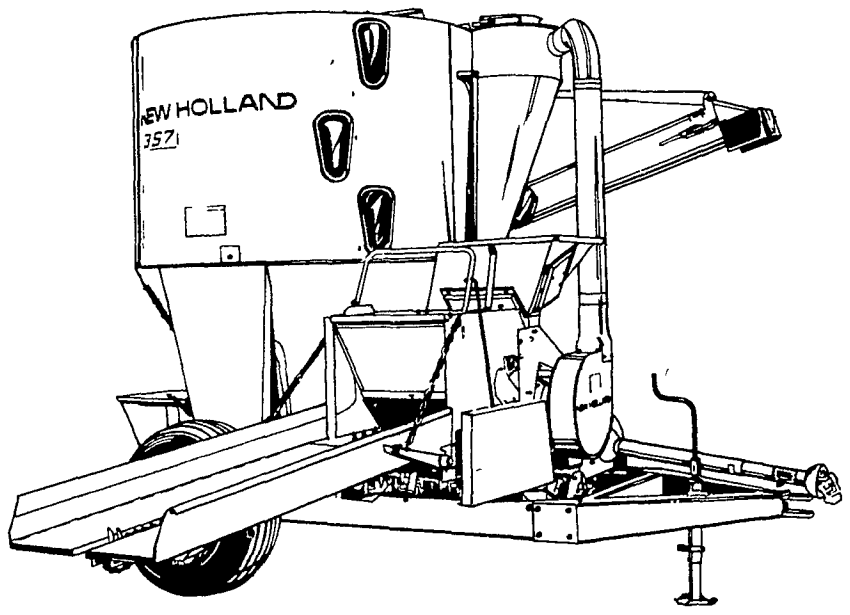
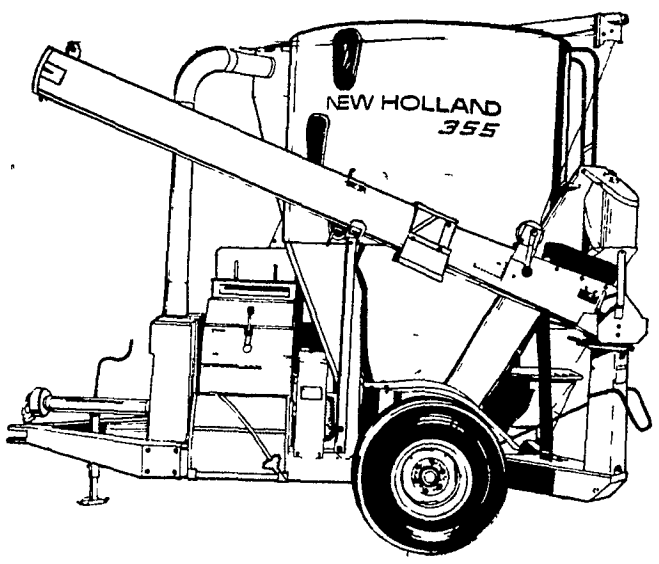


120-bushel Model 357 Grinder-Mixer
- 21-inch hammermill
- 10', 13', 17', or 20' unloading auger
- Optional electronic scale for accurate control of rations



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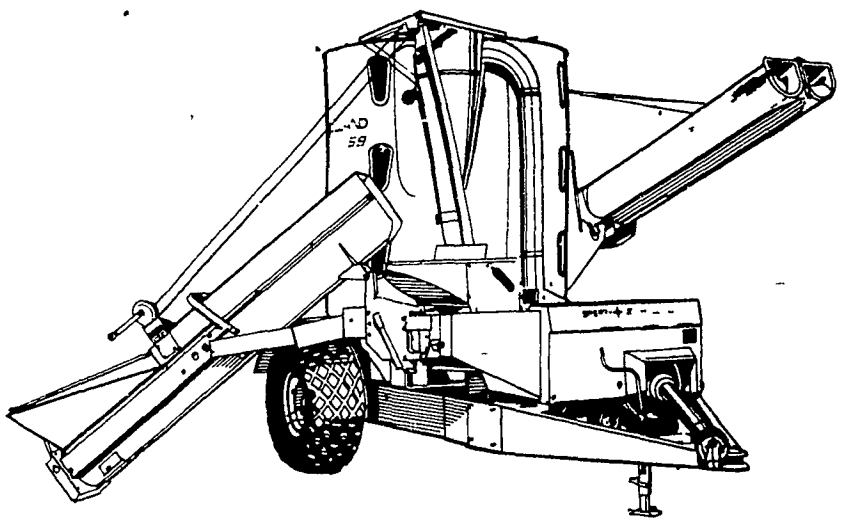

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Farm Women Societies

Berks Co. Society 1

A craft night in which members of the Berks County Farm Women Society 1 made burlap flowers highlighted their November meeting. Mrs. Cora Umble of Atglen, a member's sister showed the women this craft. The meeting was held in the home of Mrs. Lena Eyrich, Oley R1.

Mrs. Patsy Moyer, Oley R1, was installed as a new member.

The twenty attending members voted to give monetary Christmas gifts to two area families.

The group had a refreshment stand November 25 at Paul Delong's sale in Oley.

Next months meeting will be a Christmas Party for the members and their husbands to be held on December 6 at the Olde State Barn, Oley, starting at 6:30 p.m.

Society 4

Ladies of Berks County Farm Women Society 4 feasted at Denny's Diner, Moselem Springs for the first part of their evening meeting on November 7.

The ladies returned to the home of Farm Kulp, Boyertown R3, where President Jean Waldo conducted the meeting.

Thirteen members and two guests were present. Georganna Fullerton, vice president gave a report on the County Board meeting which was held November 6 at Berks Heim.

Plans were discussed for the Christmas season.

The next meeting will be held on December 5 at the home of Mrs. Walter Burkepile, Boyertown R3.

Berks Co. Society 6

Crafts was the program for the Berks County Farm Women Society 6 Meeting on November 21, the hostess was Mrs. Earl Hoffman, Oley.

Mrs. Carl Herbein, Mrs. Nora Sweitzer, Mrs. Bessie Rapp, and Mrs. David Bauer assisted the elderly for game night at Berks Heim.

The ladies were given the opportunity to see and purchase Society of Farm Women jackets being sold by Society 3.

The group also discussed several places they would like to go this winter. Several of the ladies will be checking possibilities and getting the information for the group.

Sales dates were given by the Sale Committee and asking for volunteers to help with the refreshment stand at the Oley Fairgrounds. Sale dates are November 25 and December 2.

A number of fruit baskets and poinsettias will be given to a number of elderly in the community for the Christmas project, as well as night gowns to the Hamburg Center. The ladies will make fruit baskets on Thursday, Dec. 14, at 7 p.m.

The gift exchange and secret pals will be revealed at the Christmas party and banquet to be held at Reesers Restaurant at 7:30 p.m. on December 8. There will be a gift exchange, grab bag style, for the men also.

Lancaster Co. Society 3

Shirley Lee was the hostess of the Lancaster County Farm Women Society 3 November 11 meeting which met at the Salem U.C.C., Reamstown.

The business meeting was conducted by President Miriam Moore. Delegates were appointed for the Pennsylvania State Convention in January. They are Mrs. Leininger, Mary Alice Gregory and Miriam Moore. Barbara Wenger was selected as alternate.

Contributions were made to the Ephrata High School Band Fund, and the Ephrata Recreation Center.

Under the direction of Rhoda Oberholtzer from Stauffers of Kissel Hill, each member made a Christmas decoration of dried flowers. She also presented the program "Scripture Interperation in Flower Design."

December 5, at 7:30 p.m., the members will visit the homes of the "Silver Haired Members" and sing Christmas carols.

The next meeting will be a Christmas party for members and their children.

Mrs. Leininger will be hostess at the Swamp U.C.C., on December 16 at 2 p.m. There will be a guest appearance of Santa Clause for the children, and a gift exchange among members.

Lancaster Co. Society 13

Laura Denlinger, Lancaster, hosted the November meeting of the Lancaster County Farm Women Society 13. Ethel Landis, Holtwood, served as cohostess.

The Societies surprise safety program was at the East Lampeter Ambulance Association building on Lincoln Highway East. Joanne Fingers, an ambulance volunteer worker, gave the Society a tour of the facilities and ambulances.

The Society then went to the Denlingers home for a business meeting. A report was given by members who attended the County convention.

Plans were made for the family Christmas party which will be held December 9, 6 p.m. at the Ronks Fire Hall. Dorothy Leaman is in charge of the program and decorations.

Mildren Leed is in charge of buying Pointsettias for the Societies shut-in members.

Lancaster Co. Society 15

A slide presentation featuring a recent trip to Switzerland was presented by Jean Ressel at the November meeting of the Lancaster County Farm Women Society 15.

Vera Herr hosted the Society in her home with Jean Ressel, Mary Bently, Kathryn Wagner, Effie Wagner, and Bertha Harnish serving as co-hostesses.

Thirty members attended the meeting. Contributions were sent to sponsor a contestant of the Miss Solanco Contest, and also to the horticulture team.

The Society realized $35 from an auction of foods by the Ways and Means Committee. Janet Frantz served as auctioneer and Alma Cleindenin clerked.

New officers were installed at the Lancaster Councy convention, they were President, Kathryn Wagner, and Vice-President, Jeane Barnes.

The Society will hold a family Christmas banquet and party on December 7 at the Rhoads Restaurant at 6:30 p.m. At that time, big sisters will be revealed.

(Turn to Page 63)

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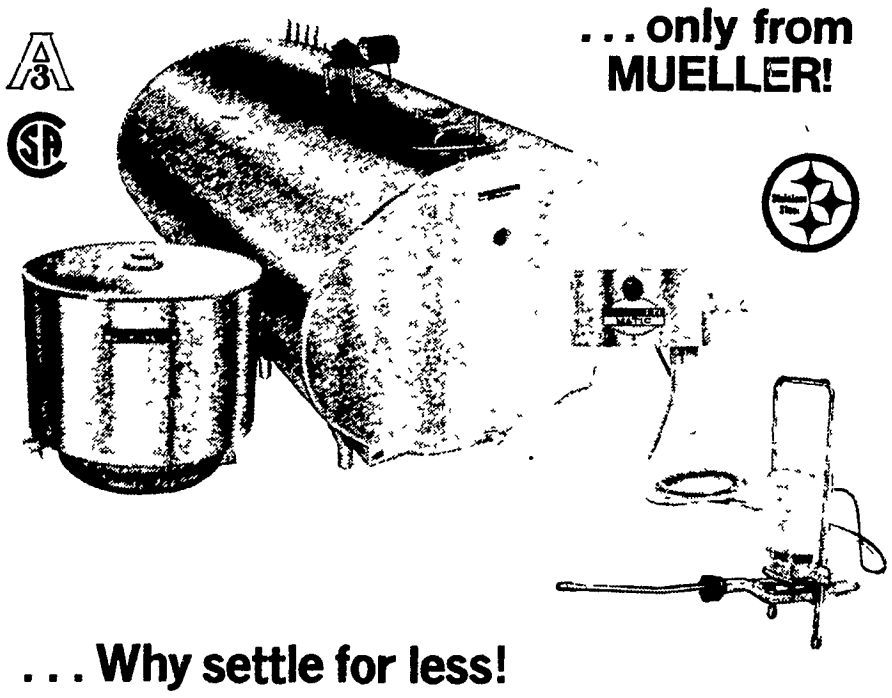

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Farm Women Societies

(Continued from Page 62)

Lancaster Co. Society 18

Apple head doll making was demonstrated to Lancaster County Farm Women Society 18 at their November meeting held at the home of Mrs. John Henry Hess of Manheim.

President Mrs. Wayne Brubaker presided. Mrs. Donald Buckwalter, Society 18 member, was elected the New County secretary, and the new state president is Mrs. John Hess, also a Society 18 member.

Delegates for the State Convention were selected. They are Ruth Rohrer and Martha Stoner.

Boxes of cookies and food were filled to be sold at Park City for LARC.

The next meeting will be held December 9, at Mellingers Mennonite Church. Mrs. John Herr will be hostess.

Lancaster Co. Society 29

On October 20, Lancaster County Farm Women Society 29 held its monthly meeting at the home of Vice President Doris Shenk.

President Marty Bixler took charge of the business meeting. The committees for this year and next were called upon to report. A reminder was made that dues are due for next year.

The program was a slide series by a Society member Dot Forry. Dot, visiting the country of Haiti two different times, gave a presentation on the Country's history and primitive present life style. She showed articles purchased there and dressed as Haitian women would dress.

Refreshments were served by the Program Committee. The Society thanked the committee for a fine year of programs.

Next month's meeting will be December 18, 7:30 p.m. at the home of Chris Shenk with a holiday slide presentation.

Lancaster Co. Society 31

Mrs. Janet Badger hosted the November meeting of Lancaster County Farm Women Society 31, with Mrs. Debbie Wenger as co-hostess.

The program for the evening was "Cake Decorating" presented by Mrs. Eleanor Delong assisted by Mrs. Vickie Lefever and Mrs. Cindy Bollinger; all three are members of Society 31. All the ladies had a chance to try out what we learned on our own individual cakes.

During the business meeting conducted by President Ruth Clark, it was decided to make a donation to the Quarryville Library.

The Society will hold a Christmas party on December 18, 7:30 p.m., at the home of Mrs. David Delong.

Lebanon Co. Society 14

Mrs. Edward Wenger hosted the November meeting of Lebanon County Farm Women Society 14. Mrs. Jerry Yeager served as co-hostess. Thirteen members were present.

Vice-President Mrs. Roy Alzer conducted the business meeting. Plans for the family Christmas party were discussed.

The speaker for the evening was Mrs. Wenger. She spoke on her trip across the United States, sharing many experiences and pictures of various landmarks.

The next meeting will be a family Christmas party on December 19 at the United Methodist Church, Campbelltown.

York Co. Society 16

A slide talk and songs by Dover Area High School exchange student Mascya Matsukawa of Japan highlighted the November 15 meeting of York County Farm Women Society 16, hosted by Janet Krone.

President Alma Stombaugh presided at the meeting with 20 members and two guests attending.

Members will meet at the home of Alma Stombaugh on December 13, 7 p.m. to make up holiday fruit baskets for needy community families. A donation was approved for a family in the community.

Six members are planning to attend the State Convention, January 8-9.

The next meeting will be a Christmas party on December 16, 6:15 p.m. at the Avalong Dairy and Restaurant, York.

Holiday card signing hints told

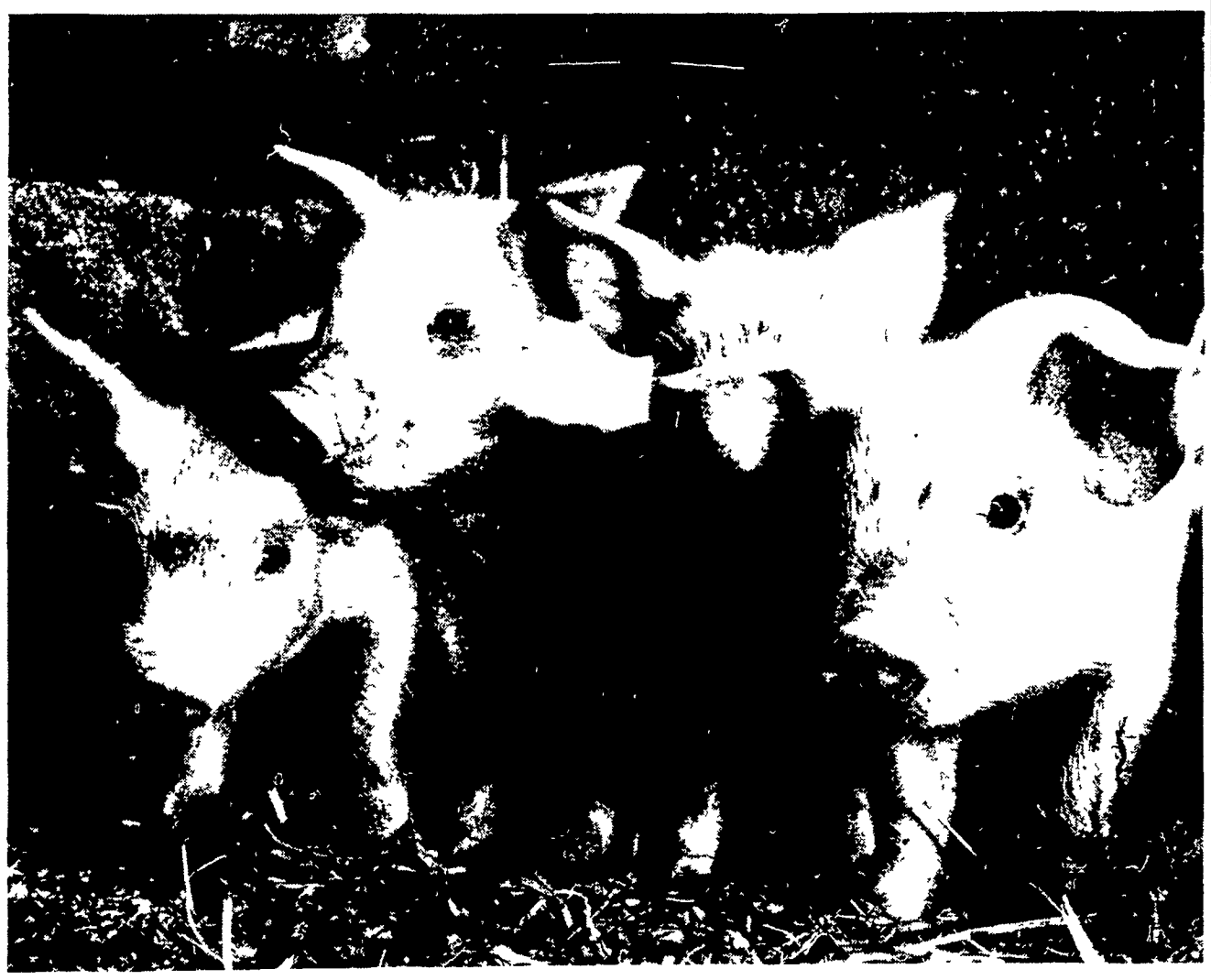
MEDIA – Start early to make out your Christmas cards. You'll be less hurried and you'll make sure that friends and relatives receive the cards before Christmas. Some points of courtesy on Christmas cards are suggested by Greta C. Vairo, Delaware County Extension home economis. Even if cards are printed or engraved with your name, personally sign cards you are sending to relatives or close friends. When signing a printed or engraved card, the wife's names comes first. On cards without a printed or engraved name, the person singing the card lists the spouse's name first. List children's names separately after Dad and Mother's name to properly include them in the signature. Unless a person with a title is your close friend, always address the card with the title. During periods of mourning, it is proper to send Christmas cards. After a recent death select your card with care. Avoid "Merry Christmas" and send one with "Season's Greetings." Displaying Christmas cards in your home is quiet proper and lends a festive air to the decor. It also flatters the sender and conveys how much you enjoy receiving cards. It is not necessary to send cards to everyone who sends cards to you – only those you really care about.

Ethnic foods add variety to meals

MEDIA – Ethnic foods can be an enjoyable addition to our holiday fare says Greta C. Vairo, Delaware County Extension home economist. The Penn State Extension Service has planned a demonstration on Holiday Foods from Greece, France, and Germany. The meeting will be held on Thursday, December 7 from 10 a.m. to 12 noon in the Toal Building Auditorium, corner of 2nd and Orange Streets, Media.

The foods will be demonstrated and then participants will have an opportunity to sample them. The public is invited to attend.

Parking is available in the county garage, third and Olive Streets, Media.



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Gift ideas presented at holiday workshop

Alletta Schadler and Karen Jordan show some of the ideas they shared for unique holiday gifts. Included in their presentation were ways to make a lingerie travel bag, a fabric crayon apron, cookie pops, a sofa sewing caddie, and leg warming sack.

By KENDACE BORRY

LEBANON — As part of the recent Extension Holiday for Homemakers, sponsored by the Lebanon County Cooperative Extension Service, Karen Jordan and Alletta Schadler gave ideas of simple gift ideas that can be made easily and add a personal touch to the holiday season.

One of the ideas that they shared was a sofa sewing caddie, which was constructed so as to hold all the items needed for sewing while sitting in a favorite chair or sofa. The sewing caddie hangs over the back or arm of the chair, keeping sewing supplies within easy reach.

Another idea was a leg warming sack, a new and popular item on the market this year which is basically a sack that covers a person's legs and is tied around the waist. This item is reccomended for keeping a spectator warm during Winter outdoor events.

The leg sack is actually two pieces of fabric, a liner and an outer fabric, that are quilted together with a heavy layer of filling, such as polyester quilt batting, between the two layers.

Needed to make the sack are a heavy water repellant or tightly woven fabric 45 by 63 inches; two pieces of polyester batting, 45 by 63 inches each; brushed nylon tricot or similar warm fabric 45 by 63 inches; one inch single fold or extra wide double fold bias tape, approximately eight yards long; and a 30 inch zipper.

The fabric should be selected carefully, choosing a soft, warm babric for the liner to provide additional warmth and comfort. Brushed nylon tricot is an excellent fabric as the brushed texture helps hold air and provides extra warmth. Flannel or corduroy would also be suitable. For the outer fabric, a water repellent finish is desirable although not essential. A firmly woven fabric that is a polyester-cotton blend would wear well. For the filler, one can use polyester quilt batting.

A quilt or comfortor can by used, although the desired warmth of liner fabric and water repellency of outer fabric may not be available. If a quilt or comforter is used, it will not be necessary to do the quilting ad described here. One should

(Turn to Page 65)

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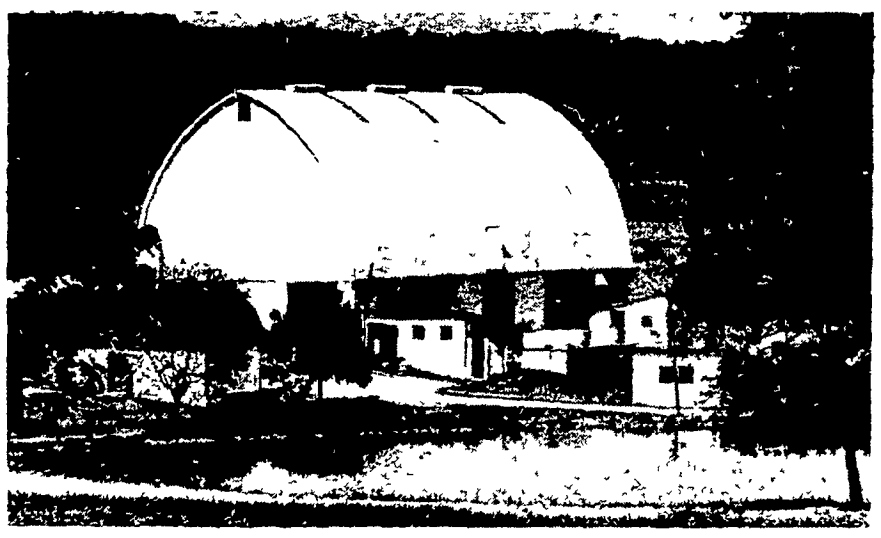

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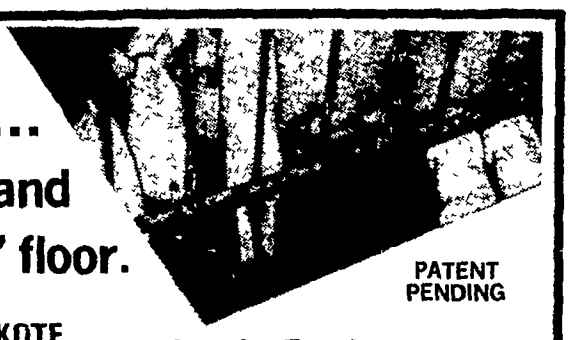

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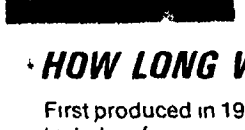

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Gift ideas presented

(Continued from Page 64)

be sure that the quilt or comforter is the same size as the dimension indicated for the fabric, or one has to plan on altering the dimensions to suit the available material. One should choose the fabric that can be easily cared for, machine washable.

A person should cut the outer fabric and liner each in a rectangle that measures 45 by 63 inches. Two layers of quilt batting the same size or slightly larger should be cut.

On a piece of paper, one should make an oval that measures approximately 14 by 23 inches. This is the pattern for the bottom of the bag. The circumference should measure 62 inches. A one inch seam allowance is added all around. One oval from each outer fabric and liner is cut, two ovals should be cut from the filler.

The liner fabric should be laid right side down, with the filler placed next, and the outer fabric put on top, with the right side up. All the layers should be quilted through by machine. A plain diamond design can be used for the quilting or any quilting pattern that is desired.

Both the rectangle and the oval should be quilted. After the quilting is finished, one should bind all edges with bias tape, either with the one inch width or the new extra wide double fold. On one long edge of the rectangle, the fabric should be turned under 1½ inch, turning it towards the liner side.

One should stitch ¼ inch from the fold of the bias tape, this forming the casing for the drawstring. The right sides of the two short sides should be brought together.

Thirty inches should be measured below the casing stitching. The remainder of the two sides should be sewed together in a one inch seam.

With right sides together, the oval should be joined to the long edge of the rectangle. The side seam should be placed at the center of a short side of the oval. A one inch seam should be stitched.

A 30 inch zipper can be inserted in the side seam opening, with the top of the zipper at or slightly below the casing stitching line. One should insert a 75 inch length of heavy cord in the casing. Opposite the zipper opening, the cord to the casing should be secured. Knots are tied in each end of the cord.

Some of the other ideas that the two ladies presented to their audience included a lingerie travel bag, a fabric-crayon apron, and cookie pops, which were actually sugar cookies attatched on a stick and decorated.

Pewter polishing tips given

LEBANON - Contemporary pewter made today is lead free and does not darken as antique pewter does. (Both kinds are made today). Care and polishing of contemporary pewter is simple. Wash accessory in hot, soapy water; rinse and dry. Polish by rubbing in one direction. As with all metal accessories, store so that the sides of vase or bowl are not rubbing against another hard surface. Otherwise, scratches may show on the surface.

Antique pewter contains lead and this is what darkens and adds to its charm. However, some tarnish should be removed. If you use a commercial cleaner, use silver polish or a specially made polish for pewter. After cleaning, wash in hot, soapy water; rinse with hot water and dry by rubbing in one direction.

To make a cleaner for heavily tarnished pewter; make a paste of fine whiting and boiled linseed oil. Dip a small piece of 0000 steel wool into paste and rub pewter in one direction. When as much tarnish as can be is removed, polish.

To polish a dull finish, make a paste of rottenstone and boiled linseed oil. Dip a soft cloth into the paste and rub over pewter. Rub in one direction. When clean, wash in hot, soapy water; rinse dry and polish.

To polish a bright finish, make a paste of fine whiting and denatured alcohol solvent. Dip soft cloth into paste and rub on pewter, in same direction. When clean, wash in hot, soapy water; rinse with hot water, dry and polish.

Whiting, denatured alcohol, rottenstone and boiled linseed oil can be purchased in a paint store.

Farm Women Calendar

Today, December 2

Lancaster Co. Society 12 meeting, 6 p.m. at Shady Maple.

Lancaster Co. Society 10 Christmas party at Lime Spring Farm.

Lancaster Co. Society 1 brunch, 10 a.m. at Willow Valley Restaurant.

York Co. Society 1 Christmas party at Grandview Golf Club.

Lancaster Co. Society 6 family Christmas covered dish dinner night.

Lancaster Co. Society 9 Christmas party at Refton Fire Hall; husband invited.

Monday, December 4

Lancaster Co. Societies executive board meeting at Janet Leaman's.

Wednesday, December 6

Berks Co. Society 1 Christmas party, 6:30 p.m. at Olde State Barn, Oley.

York Co. Society 1 Christmas party.

York Co. Society 26 family Christmas banquet, 6:30 p.m. at Avalong Farm Dairy Restaurant.

Thursday, December 7

Lancaster Co. Society 20 meeting, 1 p.m.; bring one dozen cookies to be chanced off.

Lancaster Co. Society 28 Christmas party, 7:30 p.m.; hostess Helen Rohrer.

Lancaster Co. Society 15 Christmas party, 6:30 p.m. at Rhoads Restaurant.

Saturday, December 9

Lancaster Co. Society 8 Christmas party, 6:30 p.m.; hostess Vera Frey, Marietta R1.

Lancaster Co. Society 2 meeting; hostess Luella Low.

Lancaster Co. Society 18 meeting, 1:30 p.m.

Lancaster Co. Society 19 Christmas Party, 6:30 p.m. at Indian Springs Golf Club.

Lancaster Co. Society 17 covered dish Christmas party; at Chestnut Level Church House.

Lancaster Co. Society 13 family Christmas party; Ronks Fire Hall.

Lancaster Co. Society 25 family Christmas party; Conestoga United Methodist Church, Conestoga. Bring hot and cold dish.

Lancaster Co. Society 8 Christmas party, 6:30 p.m.

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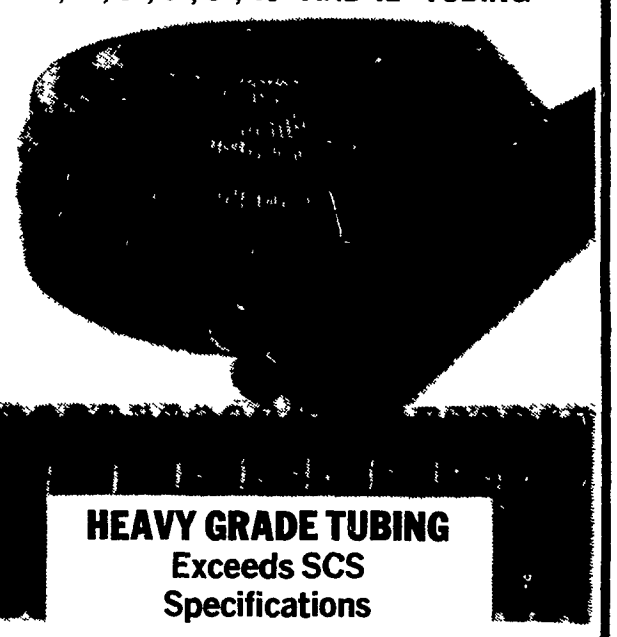

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New food technologies reviewed in Washington

WASHINGTON, D.C. - American housewives may get more nutritious food faster and more conveniently with the aid of technologies that are or will soon be adopted. These emerging technologies may also help stem rising food prices by reducing the cost of marketing food products, according to a report released recently by the Office of Tehnology Assessment (OTA). Included on the Board of OTA are Senators Edward M. Kennedy, chairman; Clifford Case, Adlai Stevenson, Morris Udall, Orrin Hatch, and Ernest Hollings.

As with all technological change, new technologies may have undesirable or unanticipated consequences, OTA warns. Examining those technologies now will help ensure that we properly plan for dealing with their impacts.

"While there are many benefits to be derived for farmers, marketers, and housewives from achievements in food technologies," OTA Director Dr. Russel W. Peterson said, "This report shows how important it is to examine, early and closely, possible unforeseen consequences of these advances."

OTA identified seven emerging technologies likely to be adopted in the near future which need further study. The seven are:

- Texturing, binding, and flavoring processes that modify existing foods or produce new ones, (such as meat and dairy substitutes).
- Improved means of transporting food to ensure its quality, such as freight cars designed for food shipment only.
- New packages capable of keeping food safe and nutritious longer, such as the retortable puch, a multilayered plastic bag in which food can be stored without refrigeration and in which the food can be cooked prior to opening.
- Electronic checkout in retail food stores, including the use of universal product codes currently printed on about 80 percent of food packages in grocery stores.
- Technologies to reduce food loss in transportation, packaging, and retailing.
- Electronic food shopping systems such as warehouse-to-door delivery, automated minimarkets, and mobile automated markets.
- Recyclable and returnable food containers that would extend current technology from beverages to other food products.

While these technologies may save money, produce more nutritious foods, and provide more food by cutting losses, their impacts need further study, according to the OTA report. For instance, electronic checkout may improve labor productivity and inventory control, but could cost many workers their jobs. Also, with a cost of $200,000 to install, electronic checkout may make it more difficult for small grocery stores to compete with larger chains.

The delivery of safe and wholesome foods to consumers requires improved transportation technologies. Now, food may be spoiled or contaminated by being shipped in railroad cars infested with rats or insect pests, or that have previously carried toxic or otherwise dangerous substances.

"There are documented cases of pets dying from pet foods whose ingredients were contaminated with toxic substances during shipment," the report states. Further, "food ingredients are frequently rejected by the processor because they have become contaminated during shipment."

Specific improvement could include railroad cars designed to carry food exclusively, new techniques for cleaning freight cars, and better tracking systems capable of identifying cars by what freight they have carried. However, OTA says the railroads may need financial assistance or incentives to make these changes.

In another area, fabricated foods offer the possibility of more food at lower costs produced using less energy. However, OTA warns that use of fabricated foods raises issues concerning their effect on overall nutrition and proper labeling to identify them without prejudicing consumer acceptance. Further, official standards are either incomplete or in disagreement on the use of food additives and unconventional ingredients.

OTA examined emerging food marketing technologies for their current state of development, their probability of being adpoted by 1985 or sooner, the extent to which they will be used, their expected impacts, and the policy issues they raise. They were also examined assuming, first, a continuation of recent socio-economic trends and, second, major changes in the social and economic environment for technological change.

The OTA report, "Emerging Food Marketing Technologies: A Preliminary Analysis," is available from the U.S. Government Printing Office. The GPO stock number is 052-033-00612-0; the price is $2.75. Write: Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402.

Retirement course available

UNIVERSITY PARK – Since the nature of retirement forces major readjustment in lifestyles, education for this readjustment cannot be effective at, or after, retirement. Specialists say that most people tend to conisder financial arrangements and where-to-live options just before retirement. This is too late because retirement planning must take place as you grow older, not when you have grown old. Critical for many people is a drastic drop in retirement income. This makes income preparation vitally important since financial arrangements must be adequate for an extended period for nonwork.

Available from The Pennsylvania State University is a new correspondence course to aid you in making plans for your nonworking years. Titled, Planning Your Retirement, the course discusses: financial planning, including new worth. inflation factor, health care expenses, and total sources of income needed; nutrition, including food fads, get full return from your food dollar, labeling, and nutritional services. Other lessons discuss housing options, transportation, support, and social services.

You can get a copy of the course by sending $3.50, plus 25 cents postage, to RETIREMENT, Box 5000, University Park, Pa. 16802. Make check payable to Penn State.

Cattle numbers up

WASHINGTON, D.C. – Cattle on Feed in the seven major feeding states on Nov. 1 totaled 9.3 million head, USDA reported last week. That's up 14 pct. from a year earlier, 27 pct. more than the Nov. 1, 1976 total - and the highest for the month since 1973. It's also the highest for any month since Feb. 1974.

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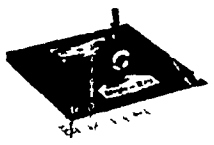

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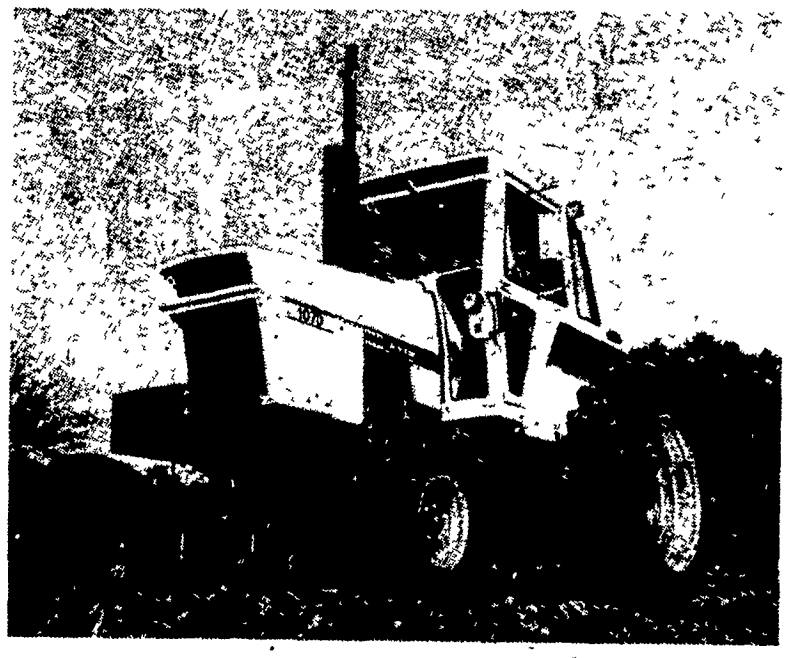

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A will may not be enough to save family farm

. EDITOR'S NOTE: The following information was prepared by E. S. Publishers of Houston, Tex. and is being distributed to major agricultural publications in the United States.

A WILL IS NOT ENOUGH... TO KEEP THE FARM IN THE FAMILY

A will is not enough. It won't protect your family's future.

Inflating property values increase death taxes and probate costs and these threaten farm and ranch families who want to preserve the farm within the family.

The federal estate tax was passed in 1942 for the distribution of wealth. In 1945, only one per cent of all estates had to pay the tax. In 1974, the estate tax yielded the federal government about $5 billion with a considerable part of it from family farms and ranches.

Although you live modestly, you may be "rich" for death tax purposes. Real estate, personal property, savings, stocks, bonds, life insurance and virtually all other assets may be ground up in the tax mill after your death. Even estates of $100,000 or less may get chopped up by settlement costs.

Paying death taxes and other costs can put a tremendous financial burden as well as emotional strain on your survivors.

TRUSTS BENEFITS

Trusts are an unused tool in estate planning for many farmers and ranchers. Yet trusts can deliver these benefits.

Consider using trusts to:

1. Minimize probate costs.
2. Minimize federal estate taxes.
3. Minimize federal gift taxes.
4. Minimize state inheritance taxes.
5. Reduce income taxes.
6. Avoid estate liquidation.
7. Minimize will contests.
8. Maintain privacy.
9. Add flexibility to estate planning.
10. Determine how your assets are held and managed after your death.

Trusts offer another advantage to parents of minor children. If both parents die, a trustee can become the "financial parent" of the children. The trustee is the individual or corporation to whom you commit property to be administered according to your written instructions for the benefit of your beneficiaries.

You can also use a trust to distribute money or property to your children after your death. You can direct that this disbursement be delayed until the time that you believe your children will be mature in judgment.

And the terms of a trust can include a "spendthrift clause" to protect your children's inheritance from being reached by creditors before distribution to them, and also to prevent your children from selling their share while still a part of the trust.

A TRUST

In legal terms, a trust is a fiduciary relationship in which a trustee is the holder of the title to property subject to an equitable obligation to keep or use the property for the benefit of the beneficiaries.

Stated simply, it's a device for transferring property to a trustee who manages the property for the beneficiaries. A trust can be viewed as a vehicle for handling a gift as well as property management when no gift is involved.

Trusts are relatively easy to set up. A trust can be as flexible or as rigid as you wish. You can tailor a trust to your needs and the needs of your family.

"How do trusts fit in your total farm or ranch business?" asks Neil Harl, Iowa State University professor of economics. "How should you structure your business and what should be the role of trusts?"

The Tax Reform Act of 1976 increased gift taxes in many cases. Also, the new law may result in large federal estate taxes when the surviving spouse dies. But trusts can help reduce these taxes.

Here is one example where the husband owns all the property and wishes to minimize taxes at the death of himself and his wife.

"Generally, a combination of using the marital deduction principle and the life estate principle is used to provide the surviving wife with the use of all the property during her lifetime," explains Richard Weigle, University of Wisconsin farm estate planning specialist.

"If half of a husband's property is left to the spouse outright or in trust so that it can qualify for the marital deduction, this half is not taxed at the wife's death.

"If the other half is left to the wife for life - generally in trust - with right of income for her life, then this half will be taxed at the husband's death, but not at the wife's death. The two halves are taxed separately for greater tax savings."

Several kinds of trust can be tailored to meet nearly any need. But all trusts are either testamentary trusts or living trusts.

A testamentary trust is established by will. It allows you control of your property during life, and then takes effect when your will is probated.

One advantage of a testamentary trust for minor children is that it may be contingent upon several factors. For example, you can state that the trust won't be created if your spouse is still alive when you die.

A living trust can be set up and operated during your lifetime. And, it can continue after your death.

Living trusts can be revocable or irrevocable, depending on the flexibility and type of tax savings you desire.

Revocable living trusts can be changed or terminated at any time before your death. The revocable living trust, or in vivo trust, offers no death tax savings.

A trust is irrevocable when the grantor does not keep the power to revoke the trust and have the assets returned. An irrevocable trust generally protects assets from the probate process and death taxes.

"The irrevocable living trust may provide death tax savings, but it may also result in gift taxes," cautions Arnon Allen, University of Wisconsin law professor.

You may give up to $3,000 per year to each of as many persons as you wish free of gift tax. This allows a married couple to give up to $6,000 to each child each year free of gift taxes.

There is a gift tax marital deduction for gifts to a spouse. That amount is all of the first $100.000 and 50 per cent of all over $200,000.

Beyond that, taxable gifts are covered by the new unified federal gift and estate tax credit. This credit can be used to cover gifts during life or property passing at death, or some each time, but it can be used only once. The credit phases in over a five-year period and is "worth" about $134,000 for gifts made for deaths occurring in 1978. It rises to a "worth" of about $175,000 in 1981.

A TEMPORARY TRUST

The so-called Clifford trust offers unique tax savings. It transfers income from one person to another without transferring ownership.

This tempery trust is established by gift, and the grantor keeps a reversionary (returning) interest in the property. The trust must run for more than 10 years, or for the life of the beneficiary.

For example, you could put some income producing property in a 12-year temporary trust with your minor child as beneficiary. Because your child receives the income earned by properities in the trust, that income is not taxable to you. Your child pays the income tax, if any. When the trust terminates, the property reverts to you. This explains a simple trust. An attorney or trust officer can explain a complex trust - if he has the knowledge.

Temporary trusts have become more popular because the new law has increased gift taxes in some cases. Also. continuing inflation makes many people reluctant to give away property if it may be needed later.

There is a gift with temporary trusts, but only of the value of the income amount for the duration of the trust.

If you plan to fund the trust with farmland and then rent it back, check with your tax advisor about deductability of the rents paid.

Capital gains and losses go to the grantor of a temporary trust, not the beneficiary. The grantor also bears the tax effects from the sale of the trust's assets. Evaluate the other benefits and limitations of this type of trust before deciding if it may prove beneficial to you and your family.

A TRUST FOR RUNNING A BUSINESS

There is a business device little used by farm and ranch families. The Massachusetts business trust is designed primarily for running a current business.

And although this type of trust originated in Massachusetts, it could probably be used anywhere.

With this agreement, the assets of a business are transferred to trustees who might be yourself, your spouse, your adult children or anyone else you select. The trustees have complete power of management.

The beneficiaries of the trust could be the trustees themselves, other members of the family or anyone else selected.

This trust is similar to a corporation with the trustees acting like directors and officers, and the beneficiaries similar to corporate stockholders.

In state restricting corporate farms, this type of trust might be useful. There may also be significant income tax and death tax advantages.

ILLINOIS LAND TRUST

The Illinois land trust is a special form of business for holding and managing property. While most states do not recognize this type of trust, it could be worth investigating.

An Illinois land trust agreement transfers property to a trustee. "The trustee acts only on direction of the beneficiary to sell, mortgage or lease property as well as collect rent or take other action affecting use of the property," says John McCord, University of Illinois law professor. "The trustee holds little more than bare legal title."

The main benefit is ease of conveying partial interests in property. Instead of deeding pieces of a land parcel to several children, for example, each child can be assigned a percentage of beneficial interest in the trust.

This approach keeps the original land parcel intact while conveying the desired interest to each child or other beneficiary. It has been held in Illinois that the owners of the beneficial interests do not have an automatic right of partition. This solves the concern about one child breaking up a parcel by sale of interest or other manner.

Also, the income-splitting benefit may be important in some tax situations.

Many people think that only a man needs to set up a trust. While most trusts have been set up by men to benefit their wives and children, this is often because men have been regarded as the income earner and because women live an average of seven to ten years longer than men.

But today women need to take an active role in estate planning. The new federal estate tax law can result in large taxes upon the death of surviving spouse, so it is important that wives develop their own estate plan.

EXPERT COUNSEL

After you develop some ideas about what you would like to do, consult with specialists such as tax experts, attorneys, trust officers and others.

And then after you set everything up the way you want it, don't just forget it. Review your plans regularly as your situation changes. Your needs and the needs of your family may change, too.

You can provide your family with security, opportunity and tax savings both now and after your death. This is the purpose of estate planning.

1. Eliminate probate costs on trust assets.
2. Eliminate or minimize federal estate taxes.
3. Eliminate or minimize federal gift taxes.
4. Eliminate or minimize state inheritance taxes.
5. Reduce income taxes.
6. Maximize liability protection.
7. Avoid the grief of dissolution of family assets in event of death.
8. Protect against estate liquidation.
9. Reduce will contestment.
10. Protect family solidarity.
11. Promote family privacy–and avoid publicity.
12. Protect assets from personal judgments and debts.
13. Eliminate third party control of assets.
14. Eliminate third party administration fees and service charges.
15. Protect trustees from personal liability.
16. Protect beneficiaries from personal liability.
17. Be managed by its trustees who normally are family members.
18. Own the assets with which it deals.
19. Function without license or franchise fees.
20. Function in any state since it is common law organization, created by contract.

Even with a modest estate, you cannot afford to ignore the devastation toll exacted by the probate-death tax system.

For further information on this subject, you may write E.S. Pubishers, Suite 605, 11211 Katy Freeway, Houston, Texas 77079. A book of interest to farmers, ranchers, and property owners will be sent free upon request.

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COMPARE

Even with the conservative figures shown above, it's obvious that land drainage should top farmers' lists of investment priorities.

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Milk production may increase

WASHINGTON - Milk production in 1979 may total slightly above the estimated 1978 level of 122 billion pounds, and commercial use also may be slightly higher, according to a U.S. Department of Agriculture economist.

Charles N. Shaw, an agricultural economist with the department's Economics, Statistics, and Cooperative Service, said that in early 1979, favorable milk-feed price relationships could stimulate heavier concentrate feeding and again mean sizable gains in output per cow. However, he said, pressures will remain strong for a continued decline in milk cow numbers. Milk output later in 1979 will hing mainly on feed prices, relative increases in other production costs, and the impact of demand conditions on milk prices.

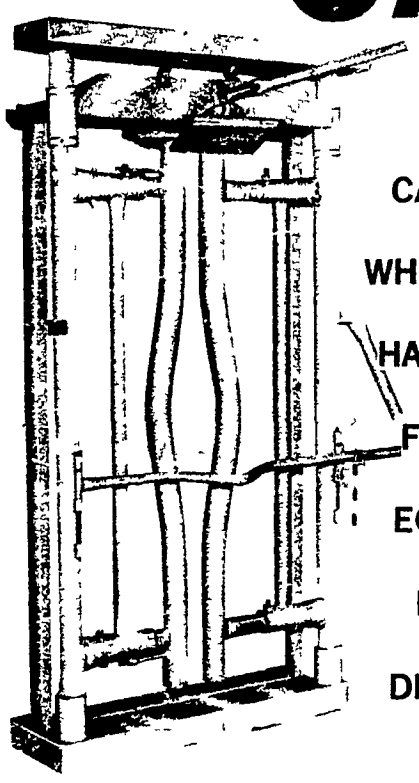
Shaw spoke at the department's Food and Agricultural Outlook Conference.

Dividend declared

READING - Directors of American Bank and Trust Co. of Pa. recently declared a regular cash dividend of 25 cents per share payable January 1, 1979, to shareholders of record December 15, 1978. In addition, the Directors declared a 10 per cent stock dividend to be issued February 15, 1979, to shareholders to record December 15, 1978.

In a joint statement, Sidney D. Kline, chairman, and Samuel A. McCullough, president, announced that the Bank's action was based on projected earnings for the 1978 fiscal year.

CATTLE HEAD GATE



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Workshop planned

WEST CHESTER — Gift Ideas on a Budget, an illustrated talk to include gifts for the whole family will be shown at three different locations and dates by the Chester County Extension Service. Preregistering should be done by December 11.

The same program will be shown at all three of the following locations. On December 13, from 9:30 to 11 a.m., it will be presented at the YMCA, Pothouse Road, Phoenixville, where there will be a slight registration fee.

On December 14, the workshop will be shown at the Extension Office, 235 W. Market Street, West Chester, at the same time as listed above. And on December 15, the workshop will be seen at the New Garden Township Building, Route 41, again from 9:30 to 11 a.m.

Covered in the workshop will be ideas that could easily be assembled in the few weeks that remain before the holidays. Suggestions and Demonstration of gift wrap ideas from the unique to the very simple.

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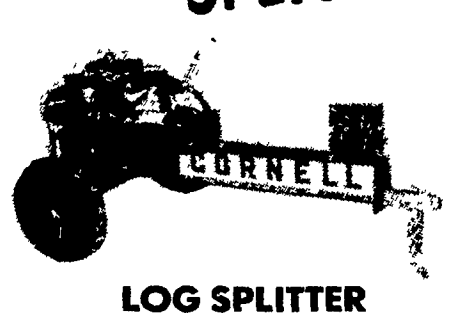

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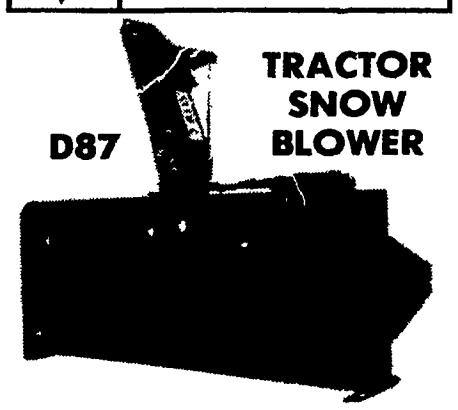

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1610 Drawn Flexible (29 to 37 foot)	$400	$250
1650 Folding	$900	$550

EQUIPMENT	FEB 28, 1979	JUNE 30, 1979
BALERS		
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1207 and 1209	$250	$150
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830	$600	$350
2280	$900	$550

This offer is subject to equipment availability

JOHN DEERE

ENFIELD EQUIPMENT INC.
Whiteford, Md. 21160
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Food additives are a current consumer concern

SOUTHAMPTON -- Consumers are aware as never before of food - its cost availability, its safety, its nutritional quality.

Certain food and nutrition topics are current concerns of consumers and consumer groups. One such topic, according to Dairy Council Inc., Southampton, is the widespread interest in the safety of food additives.

"This concern may be partly due to the fact that no chemical substance -- natural or synthetic – can be proved absolutely safe for human use – just 'relatively harmless'," says Dairy Council, an organization devoted to expanding the public's knowledge of nutrition information.

Also cause of this concern is the lack of understanding of Federal controls over the use of additives and the many benefits to our food supply derived from their use.

A food additive has been defined by the Food and Drug Administration as any substance put in foods that becomes part of the food and/or affects the characteristics of the food. This applies not only to the intentional use of additives but also to anything added inadvertently.

The latter may be of natural origin – toxins from food spoilage organisms, infective organisms, or natural chemical parts of foods or man-made sources. These include agricultural chemicals, chemical changes from food processing, packaging materials, and accidental contaminants.

Many foods in their original, unprocessed state contain potentially harmful substances. These are toxicants such as oxalic acid in spinach and rhubarb; hydrogen cyanide in lima beans; myristicin in nutmeg.

These natural food toxicants are consumed without harm as long as the foods are not eaten exclusively or in outlandish amounts.

Choosing a diet from a wide variety of foods not only is nutritionally sound but also provides the best protection against the likelihood that any natural or man-made substance will reach a harmful level in the diet.

A chemical substance may be called toxic if it can produce harm when consumed. Virtually every chemical – water, salt, iron, vitamin D – is toxic at some level. Hazard depends on the inherent toxicity of any substance and how much of it is consumed.

"Before they can be used," says Dairy Council, "food additives must be given extensive toxicity studies with test animals by the manufacturer."

The use of an additive is evaluated and regulated by FDA. It must perform a useful function in food; be safe for human consumption even if eaten in unusually or excessively large amounts over a lifetime; and make no contribution to the growth of cancer in animals even when the amounts fed in laboratory tests greatly exceed any amount possible for a human to consume in a lifetime.

Dairy Council says that more than 25 classifications of substances are in use as food additives.

"They serve to preserve, enhance flavor or color; improve nutritive value; or perform various technical functions such as whitening, thickening, and emulsifying. Without food additives, many food products would be unacceptable or unavailable to large numbers of consumers."

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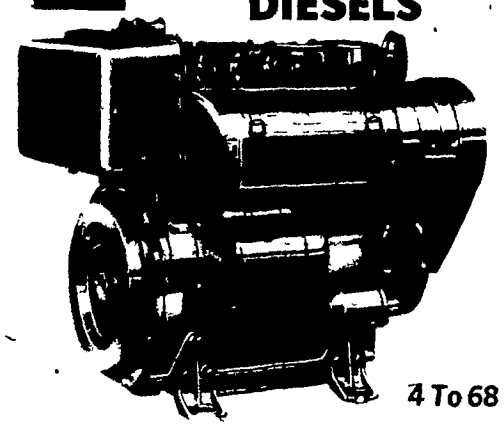

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Blakeley's have top price heifer

ITHACA, N.Y. - A Blakeley Hereford heifer calf consigned by Blakeley Farm of Charles Town, W. Va., topped the 13th annual New York Hereford Association Fall Calf Sale November 25 at Ithaca.

The top selling heifer was BH Special Girl 108, an April 1, 1978 daughter of Dominion Donald 16. She was gaveled off at $800 to Wind and Willows Farm, Darrell Travers, Ovid, N.Y.

The 43 heifer calves in the sale grossed $16,375 for an average of $380. The sale average was $112 over the 1977 Fall Calf Sale average.

One of the largest crowds in recent years was on hand for the event which featured both Polled Herefords and horned Herefords from five states.

The second highest selling heifer calf was SB MB VIC 7110769, a Sept. 10, 1977 daughter of RWJ Victor J3 7110. She was consigned by Stone Broke Farms of Warnersville, N.Y., and sold for $785 to James Neal of Nokesville, Va.

The six steer calves consigned to the sale grossed $2,590.19 for an average of $370.

Volume buyers were Norman Painter of Elkland, Pa., David Collins of Livingston Manor, N.Y.; Si-Jo Farm of Pulaski, N.Y.; and Bill Mezera of Greenville, N.Y.

The New York Hereford Association will hold a spring sale that will feature bulls, bred and open heifers and cow-calf combinations. The date and details will be announced later by the sale chairman Theodore Kriese of Liverpool, N.Y.

Pennsylvania consignors to the Fall Calf Sale were Spring Bottom Farm of Fairfield, Pigeon Hill Farm of Abbottstown, and Terry Shearer, also of Abbottstown.

Meat plants can process deer

HARRISBURG - Meat plants are permitted to process deer, depsite persistent rumors to the contrary.

The Game Commission says that both state and federal meat inspection regulations specifically permit plants to process game for hunters. Venison and meat from other game can be mixed with beef, pork, or other domestic meat, if desired.

Game cannot be bought or sold.

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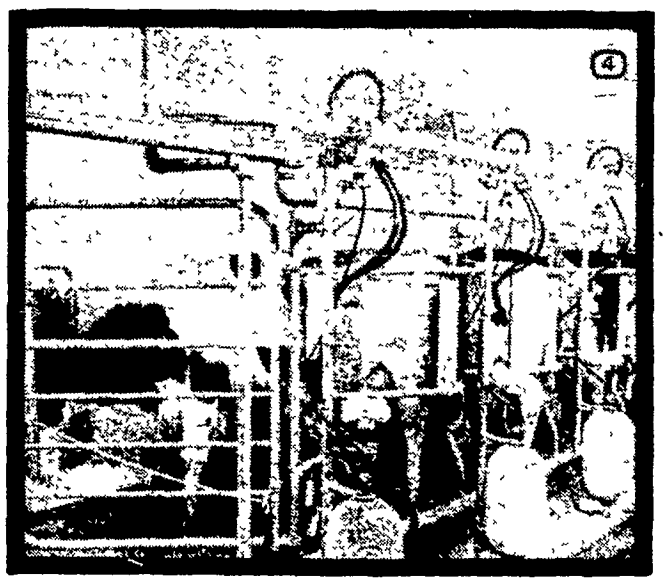

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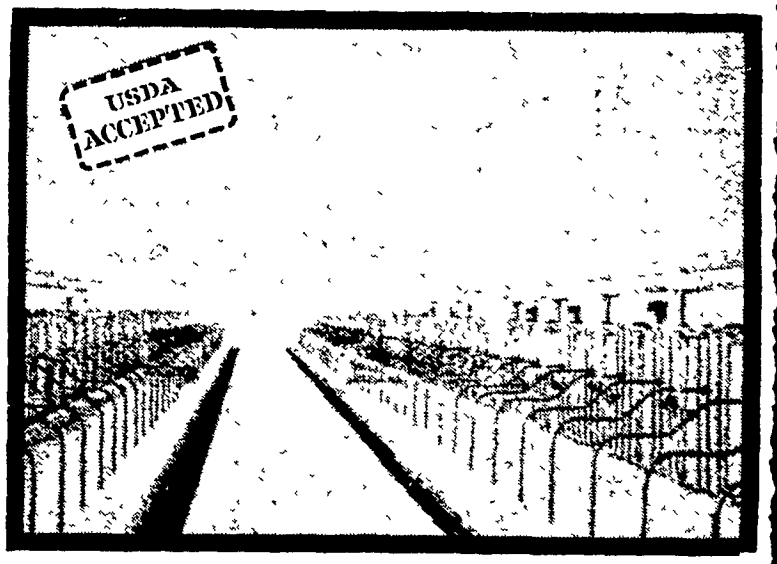

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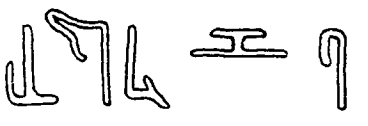

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Tractors For Sale - IHC - A w/plow, cultivator, disc. IHC - BN w/cultivators & sawbuck. IHC #200 w/fast hitch, 2 B plow, cultivators. Front mount sawbucks for tractors. 717-687-6553.

For Sale - 1952 Farmall M with live hydraulic, excellent condition, good tires $1275; 2 Hi-lift corn dump carts $675 each. John F. Cope Co., Inc. 717-367-5142 or after 5 call 898-8644.

504 NI Loader
700 Bobcat Skid Loader
Mighty Mac Skid Steer Loader
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For Sale - Int. mounted 2 MH corn picker $325. 717-458-6831.

For Sale - #55 IH Chisel plow, 3 pt. hitch, 11 tooth $600, #144 Woods flail stalk chopper, pull type, 1000 rmp $700. 301-272-2620.

For Sale - 71 Int. 856 with M & W turbo charger, new paint, clutch, TA, 2300 hrs, excellent condition. Baldwin MD 301-592-2702.

FOR SALE
JD #18 single row picker, good condition, $1425
NI #213 single beater spreader $950
(2) Woods single row picker $300
Ford model 16-65 1 row mounted picker, good condition $500
Leyland 272 tractor, turbo, 85 PTO hp., 1250 hrs., A-1 cond. $8300
Lelyland 270 tractor, turbo, 85 PTO hp., good cond. $7400
Landoll Model 275 Soilmaster 9 spring shank $2900
Model F-19 Farmhand loader for JD 2010 mounting $350
Set of dual wheels 18.4x30 rubber. $400
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For Sale - NH forage wagon with 3 beaters, heavy running gear and roof, used 1 season, Gehl 99 forage blower. 215-598-7526.

For Sale - Cat crawler 977, elec. start, very good condition, best offer. Ken Decker 814-632-5285.

For Sale - 1974 Case 770 diesel tractor, 2700 hrs. 90% rubber, power shift in excellent condition, Lancaster Co. 215-445-4280.

For Sale - JD 210 disc, used 2 yrs., 14½ ft., wide, cone blades, scrapers, furrow fillers, flotation tires, excellent condition $2400. 301-592-2982 or 592-7991.

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NI 705 Power Unit
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NI 212 Manure Spreader
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For Sale - Oliver Super 77 Tractor w/loader; NH 269 hay baler; John Deere 494A Corn Planter w/liquid and dry fertilizer and herbicide attachments; AC 15' fold up disc; NH 460 Haybine. 215-536-5011.

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Wanted - Rear axle for older Case tractor, model VA0-15. Please call collect 201-722-6294.

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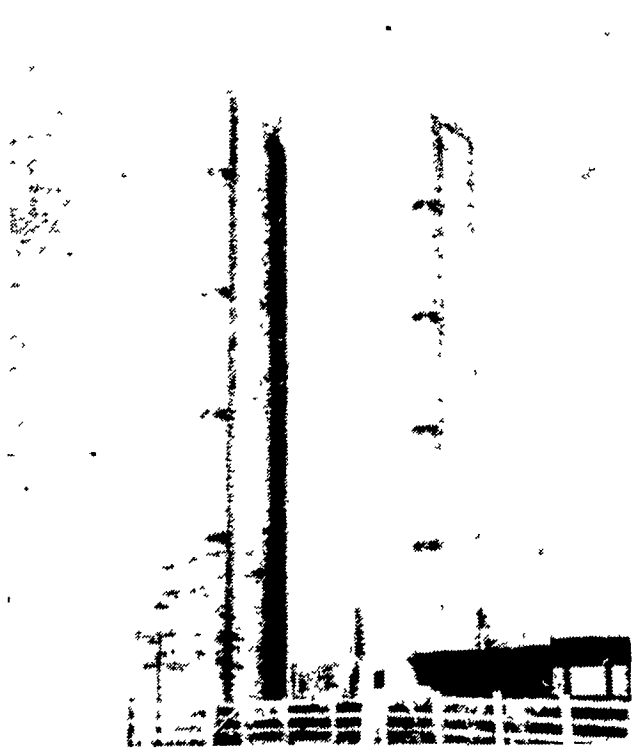

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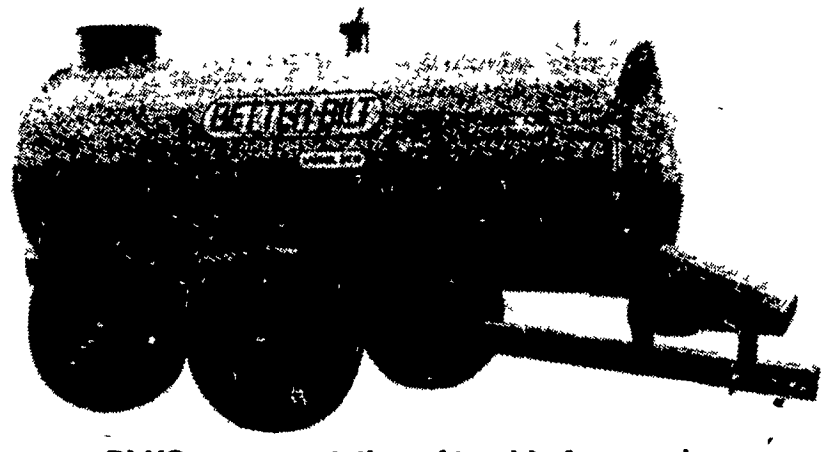

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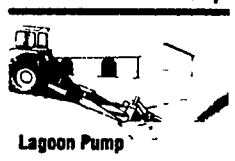
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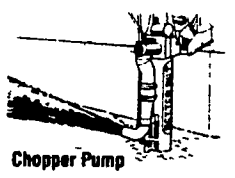
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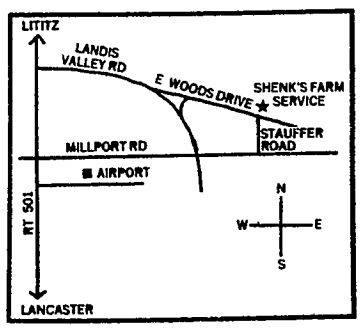

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NI 1 row corn picker
MF super 92 diesel combine
2 JD 12A pull type combines w/motors $250 each as is
MH 80 combine, 2 row head, 12 ft. grain table
Case 1160 combine, corn special, 4 row wide head, 13 ft. table
Gleaner F corn-soybean special, 4 row wide head, 13 ft. table 1972 model
NH 36 crop chopper
NH 285 baler $3200
NH 275 baler w/thrower
NH 7 forage wagon completely rebuilt

Int. 1066 Turbo w/air - 700 hrs. $16,500

Ford 8N Tractor
Oliver 550 gas tractor
Ferguson TO 30 tractor
JD 4020 tractor $8500
MH 30 tractor
MF 33 Grain Drill

ABRACZINSKA'S Farm Equipment, Inc.
RD 1, Catawissa, PA
717-356-2323
(south on Rt. 42)

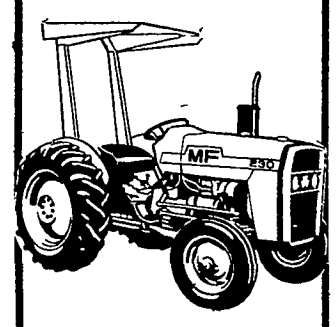
New Equipment
Gehl 120 grinder mixer w/screens & magnets, $4571
IH #720 forage harvester w/hay pickup, under $6000
IH 574D row crop tractor, difflock, single valve, Waive interest charge till March 1, 1979, under $9800
IH #10 flail chopper (for bargain hunter)

Used Equipment
IH 225 hay swather
IH MD tractor, good shape
Ford 6000 tractor (make a good second tractor)
IH #37 tandem disc harrow, excellent shape
NH table blower, A-1 condition
All Price F.O.B. Dalmatia

MECKLEY/DALMATIA
Dalmatia 758-3021
758-6491

MF Massey Ferguson

TRACTORS & EQUIPMENT
Brillion Pulverizers, 10' & 11'
JD 2510 Gas row crop tractor
JD 2010 Gas Tractor w/#35 loader
MF 1105 & 1135 Tractors w/cabs
MF 1085 Tractor w/cab & air
MF 204 Tractor w/loader, cab, fork & bucket
Ford 3400 Tractor w/730 loader, cab & bucket
AC D17 Tractor
NI 213 Spreader
NI 207 Spreader
NH 510 Spreader
NH S676 Spreader w/hyd end gate, fine manure pan & splash guard
Woods C80, M5P4, M72, rotary cutter
Howard P40 Rotovator



NEW M.F. EQUIPMENT
MF 750 diesel Combine w/14' table
MF 620 Disc Harrow 19 ft
MF 620 Disc Harrow 14 ft
MF 25 Disc Harrow 6½'
MF 44 Corn Head
MF 1085 Tractor w/8 speed
MF 255 Diesel Tractor
MF 58 Rotary Cutter
MF 1085 Tractor w/cab & M.P
MF 110 Spreader
MF 130 Spreader
MF 160 Spreader
MF 227 Scraper Blade
MF 226 Scraper Blade

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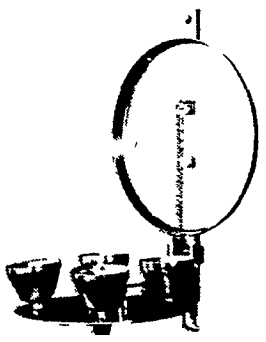
division of cego, inc.



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Simply invert claw in washer cups and let them come clean in the regular automatic washing cycle. Washer is self draining, folds into cover to protect system from dust and dirt. Saves time, trouble and cleans unit better.

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GIRTON Dairy Equipment
GIRTON MFG. CO.

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For Sale - 12 Ft. dome silo room, complete, good condition $100. York Co. P. Gilbert. 717-792-9930.

JD 4430 Tractor w/dual wheels
JD 4230 Tractor
JD 4020 NF Tractor
JD 4020 WF Tractor
JD 3020 Tractor
JD 2010 Diesel Tractor
JD 1020 Tractor
JD 60 Tractor
IH 886 Tractor
IH H Tractor w/loader
JD 494A Corn Planter
JD 1240 Corn Planter w/plateless units
JD 3800 Chopper w/2 row corn hd.
JD 3800 Chopper w/2 row corn hd.
JD 34 Chopper w/corn head
JD 3300 Combine w/platform & 2-row corn head
JD 105 Combine w/platform, 4 & 6 row corn hds.
JD 214 Baler w/thrower
JD 14T Wire Tie Baler
Hesston 5800 Round Baler, like new
JD 115 Chuck Wagon w/roof
Ford Disc on transport
JD 640 Rake
JD 220 Disc
JD FBB Grain Drill
Stoltzfus Lime Spreader
NI 1-row Corn Picker
JD 227 Corn Picker
Allied 41' Elevator

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Whiteford, MD 21160
Ph: 301-452-5252

USED EQUIPMENT
Tractors:
JD 1020 diesel
JD 530
JD 4320 diesel
JD 50
Nuffield 1060
JD B w/snow plow
Oliver 70
Ford 8N

Tillage Equipment:
Oliver 565 4 btm. plow
Brillion 10' cultimulcher
New Athens disk
New soil master
JD 45 2 btm. plow (like new)

Harvesting Equipment:
McCormick 650 harvester w/2 heads
New Holland 880 harvester w/pickup
New Idea 325 2 row picker sheller
JD 24T baler w/thrower
JD 483 mower conditioner
McCormick 56 blower

Misc. Equipment:
JD elevator w/motor
JD 16-8 double disk drill
JD 17-7 single disk drill
JD 300 elevator w/gas engine
Wetmore grinder blower (new)
5' 3 pt. brush rotary mower
Sauder manure loader

YEAR END SPECIAL ON NEW EQUIPMENT
Badger Forage Wagon w/tandem gear & roof
$4495.00
Badger Blower
$1295.00

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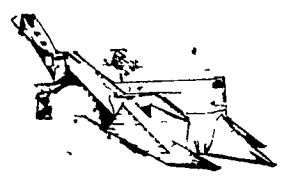
New IH 284 Compact Tractors
$4700



NI picker sheller, narrow row, $2500
NI 323 1-row, $2200
Special Prices New NI sheller units. 314 & 329.
New Woods C-80 mowers, $1475

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Ph: 717-993-2511

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AC D-10, D-17, D-19, 160, 170, 175, 180, 185, 190XT, 200, 210, 220 w/4 whl. dr. 5040, 7030
Ford 8N, 600, 800, 6700, 7600
JD 2510, 2640, 2840, 4020, 4030, & 4230
IHC Cub, Super C, 200, H, M, 706, 856, 966, 1066, & 100 hydro
White 2-105

Used Equipment
NH mover grinder mills 352 & 354
Ford 9' plowing disk
NI 323 1-row pickers
GT 370 grain dryer
McKee 5' 3 pt. hitch snow blower
NH 36 flail choppers
NH tank type spreaders, 150 & 250 bu.
Used industrial machinery
AC 653 & 652 crawler dozers
AC 715 tractor loader backhoe
JD 310 tractor loader backhoe
JD 450C dozer w/6 way blade
JD 440B & 440C skidders
AC 840 pay loader
Hough 30 pay loader
Int. 3200 skidster loader w/hydraulic snow blower
1964 White tandem diesel dump truck

Good selection of new AC tractor, NI & Hesston hay & forage Equipment. No money down, interest deferred to mid 1979. NOW is the time to buy for year end tax investment credit.

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*JAMESWAY
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*FMC, *BEAN — SPRAY EQUIP

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Case 1816 Skid Loader
IHC 150 PTO Spreader
Sauder Loader
Farmall 706 Diesel Tractor
Farmall 460 Gas Tractor
Farmall 450 Diesel Tractor

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SEE US FOR WAIVER OF FINANCE ON USED COMBINES, NEW AND USED CORN PLANTERS

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JD 45 Round Back
JD 105 Dsl. Corn Special

USED TRACTORS
JD 4020
JD 3020
JD 1020
JD 1010 Crawler
IHC H w/loader
MH 333

USED HAY TOOLS
IH 440 Baler
NH 460 Haybine
JD 16A Flail Chopper
AC 6' 3 pt. Rotary Mower
JD 216 Forage Wagon

USED PLOWS
JD F145 3-16"
JD 412 2-12"
JD 45 2-16" - 3 pt.
IHC 510 5-18" - semi-mtd.

USED DISC HARROWS
JD 1630 11 SOLD
JD JBA
Oliver 14'
AC 12'

TILLAGE TOOLS
Lely 400-40 Roterra
JD 900 V Ripper 11 Shank
Brillion 25' Roller Hz SOLD

USED GRAIN DRILL
JD FBB 13x7
JD FBB 15x7
IH 12 x 8

CORN PLANTERS
(2) JD 1240, 1 plateless
(2) JD 494A's
JD 1300 6-row
IHC 4-row 400 cyclo w/fert.
IHC 6-row 400 cyclo

MISCELLANEOUS
JD 237 Corn Picker

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HAYBINES
(6) Used NH's *

COMBINES
1977 White 8600
AC C-II, 4-row Corn Head & 13' Grain Head *
1-row mtd. Ford Corn Picker $695.00

HARVESTERS
New Holland 616, 717, 818, 880
IHC 55, 350
All with corn heads and grass heads

TRACTORS
Oliver S77 Dsl. w/2-row NI picker
Oliver 880D, 550, 88, 77
MH 30
Farmall Super C
Farmall C
MM Jet Star w/loader

PLOWS
Oliver 4 & 5 Bottom Semi Mounted

GRINDER-MIXERS
Papec
Oliver
IHC
$1500 to $1900

SPREADERS
All Sizes Tank & Box Spreaders
Also
Used NH Forage Boxes

* Free Finance on New Holland New & Used Equipment Till May 1, or Sept. 1, 1979

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USED EQUIPMENT

TRACTORS
JD 4020D, 60
IH F460G, M
AC WD 45G w/loader

COMBINES
Oliver 545 w/grain platform
AC G w/grain platform
JD 40 w/8' platform & 205 corn head
JD 244 corn head
JD 4400G w/13' platform, JD 444 corn head
JD 6600D w/15' platform

CORN PICKER
NI 323 1 row, pull type

BALERS
IH 56W
IH 47T w/thrower
AC 444 w/thrower
NH 270 w/thrower

HAYBINES
NH 469
IH 990
AC 390
Hesston PT10

FORAGE EQUIPMENT
JD 380D Harvester with pickup & 2-30" corn head.

NEW EQUIPMENT

TRACTORS
JD 850, 2840, 4440
Long 560 with loader

SPREADERS
JD 34, 40, 660, 680
NH 513, 519, 679

FORAGE EQUIPMENT
JD 3800, 35 harvesters
JD 16A rotary chopper
NH 770, 718 harvesters
NH 25, blower

PLOWS
JD chisel plows

LOADERS
JD 143, 146

HAYBINES
NH 495, 489

WAGONS
JD 965, 1065A, 1075
NH 14, 230
JD 714, 716
NH 8

DISC
JD 210 11'5"
JD 220 18'6" Demo

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NEW IDEA FARM EQUIPMENT · SPERRY NEW HOLLAND · Brillion · CrustBuster Tillage · ALLIS CHALMERS

NEW HOLLAND Interest FREE on Forage Equipment Till 3/1/79
Hay tools interest FREE Till 4/1/79

CHECK OUR 40-50 HP DIESEL TRACTOR DEALS

TRACTORS
Farmall B
AC 7050, 312 hrs, ex cond
AC 7000 w/cab, 595 hrs
AC 210 Diesel w/cab
(2) AC D17 Gas, good cond
AC WD 45
AC B w/attachments
(2) AC C w/attachments
MF 245 Dsl. 312 hrs
MF 50 Gas
JD 4430 Dsl w/loader

MISC. EQUIPMENT
(2) MF 12 Baler
NH 78 Baler
NH 850 Round Baler
Hesston Round Baler, ex
Gehl 1500 Round Baler
Bush Hog Bale Loader Model 700
JD 830 self-prop Windrower
Lely Cube 8 Bale accumulator, groups 8 bales & loading attch
(2) AC No-Till 4-row Planter
AC CII Gleaner 13' grain head, PU reel, 4-30" corn hd, $6,500
Gleaner G w/cab, good condition 13' grain, narrow or wide corn head
MF 510D Combine 4-R wide corn head & 16' grain head
JD 42 Pull-Type Combine, ex cond (SOLD)

1976 MF 260 Forage Harvester w/2-RN, WPU, 2 RN ground ear corn
Fox 546 Forage Harvester
NH 880 W pickup, like new
NH 880 N 3 head, like new
Woods C80 Mower, used
(1)(2) NH 479 Haybines
Hesston 500 Haybine, SP
(4)(3) Used Blowers
NH 27 Blower excellent
(4)(3) Skid Steer Loaders - NH 225 like new, Case 1740, Bobcat 600, MF 711
Brady 4-row Stalk Shredder
(10) Used Garden Tractors, all makes & H P
IH 770 Disc 10', like new
(3) Used Discs 10', 12' & 13'
Hesston 1014 Hydro Swing
NH 56 Rake, good cond
(4)(3) NI Cut/ditioners 270, 271, 272, 279
(3) JD 16A Flail Choppers
(10) All Sizes Used Spreaders
NI 217 Spreader
10' Brillion Sure-Stand Grass Seeder, 296 acres
(2) Badger 18' Silo Unloaders
Hesston PT10, 1 yr old, ex cond.
IHC Chisel Plow 9', ex cond
NH T330 Trencher

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NEW TRACTORS
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All Sizes Woods Mowers
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(2)(3) NH Choppers
NH Spreaders, box & tank
NI Cut/Ditioner 7 & 9 ft
NI Spreaders, all sizes
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JD 3120
2 JD 2120
5 JD 2020
JD 1020
JD 60 3 pt., w.f.
Ford 8600
3 Ford 8000
Ford 7000
2 Ford 6700
4 Ford 5000
3 Ford 4000
3 Ford 3000
Ford Roadless 95 4 wd.
Ford Roadless 65 4 wd.
Int. 966
Int. 674
Int. 574
Int. 454(SOLD)
Int. Farmall H
MF 175 multipower
Ferguson 35
David Brown 1200 w/loader
Deutz 6006

Field Ready Tractors.

FARM EQUIPMENT

NEW EQUIPMENT
WHITE - 2-180 Tractor
2-85 Tractor
2-70 Tractor
2-60 Tractor

GEHL -
MC 1090 Mower Conditioner
920 Forage Box
FC72 Flail Chopper

NEW IDEA -
272 Cutditioner
323 Corn Picker
218 Spreader

USED EQUIPMENT
26 Ft. Elevator
Allis 5040 Tractor
MF 165 Tractor
NI No. 10 Picker
Int. 56 Blower
NI No. 26 Blower
Oliver No. 26 Superior Grain Drill

MILLER EQUIPMENT CO.
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FARM EQUIPMENT

USED EQUIPMENT
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J.D. 4020 D, PS w/WFE
Ford 5000 D w/ind. loader
Ford 4000 Gas w/loader
Ford 8N Tractor w/snow plow
IH 856 w/cab
JD 3800 Chopper w/3-row head.
Fox Chopper
JD 45 Combine w/corn & grain heads
Case 535 Baler
J.D. 24T Baler
J.D. 24T Baler w/#30 Hyd. ejector
I.H. 440 Baler w/kicker
Hesston 56 Round Baler
Hesston 10' Mower Conditioner
J.D. 15' Roller Harrow
JD 214 & 115 Chuck Wagons

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For Sale - Hesston hay stacker No. 10, good condition. Price $3500. Ph. 717-532-9271 or 532-6257.

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TRACTORS
JD 530 Tractor
Case 1070
Oliver 77 Gas w/mower
Oliver 880 Diesel

EQUIPMENT
NH #36 Crop Chopper
NH 33 Crop Chopper
NI Box Spreader w/end gate
NH 516 Spreader w/end gate

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Ford 4500 Loader and Backhoe
Ford 3500 Loader and Backhoe
New Satoh 650 Tractor w/PS, loader and 3 pt.
New Satoh 650 Tractor, PS, 3 pt. and live PTO
New Satoh 550 w/rotary mower & 3 pt.
Used Ford 2000 w/loader
Used Ford 9N w/loader
Used Ford 640 w/snow plow
Used Ford 850 w/snow plow
Used Farmall Cub w/hyd. loader and 1 pt. hitch
Used 135 Massey Diesel
Used Massey Harris 44 w/loader
Used NI 12A Manure Spreader

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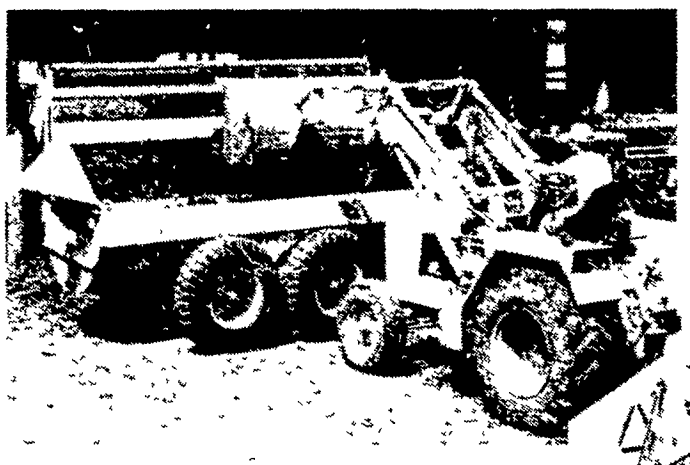

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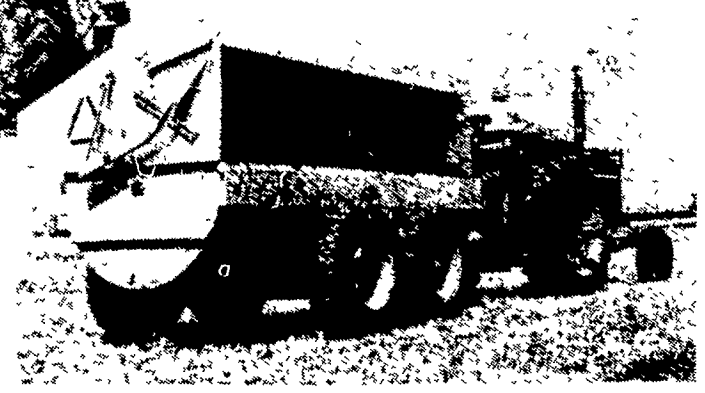

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SEE ONE TODAY!

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HAY EQUIPMENT
TILL MAY 1, 1979

ALL NEW & USED
FORAGE EQUIPMENT
TILL MARCH 1, 1979

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WEED TRIMMER
For Christmas $132.50

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PARTS and SERVICE

USED EQUIPMENT

S717 Harvester
S717 Harvester w/717 R2
741 Corn Head
717W Pick Up Head
727 w/Head
38 John Deere Harvester w/2 Row Wide Cornhead and Pickup Head
MF Harvester w/2 row Head and Windrow Pickup
AC 480 Blower
NH 26 Forage Blower
AC D-14 Tractor
CA Allis Chalmers Tractor
516 NH Spreader
AC Disk Harrow
Ontario Grain Drill
Bob Cat Loader
AC D-17 Tractor
#7 Forage Box with #15 Running Gear
#6 Forage Box
1469 Haybine
(2) NH 479 Haybines
NH 469 Haybine
NH 461 Haybine
John Deere Hay Tedder
New Idea Side Delivery Rake
37 IH Engine Baler
NH 273 Baler w/Thrower
NH 273 Baler w/Engine
268 Baler w/53A Thrower
269 Baler w/53 Thrower
Brillion Cultipacker
John Deere Cultipacker

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EQUIPMENT SPECIALS

New Gear Assmebly With 3 HP Motor For Farmec 540 Bunk Feeder!

TRACTORS:
JD 4230
JD 2010 D. Tricycle
AC "WD" with Cultivator
Ford 9N
Int. 450
Int. Super M with Mtd. Cornpicker

COMBINES:
JD 6600 Combine
Gleaner L
JD 105 Combine
MF 82 Combine

PLANTERS:
JD 494 Planter
JD 1240A Planter
IHC 455 Planter
JD 1280 8-Row Planter

DRILLS:
McConnell 16x7 Drill
MF No. 33 17x7 Drill
Oliver No. 76 16x7 Drill
JD FBB 17x7 (2)
Ontario Drills (2)

HAY EQUIPMENT:
NH 1495 SP Haybine
NH 461 Haybine
NH 469 Haybine
IHC 990 Mower Cond.
NH 282 w/baler
JD 24T Baler w/thrower
NH 275 w/thrower
NH 269 w/thrower
MF No. 10 w/thrower
IH 55T

PLOWS:
JD 45 4-bot. plow
Ford No. 51 4-bot.
JD 145A 4-bot.
JD 310 3-bot. (2)
JD 7-bot., semi-mtd.

JOHN DEERE

SEE US FOR YOUR NEW EQUIPMENT - YEAR END PRICES ON MERCHANDISE IN STOCK!

SPERRY NEW HOLLAND

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D9006 Deutz tractor - rebuilt
Deutz Diesel F4L-912, Like New, 65 H.P.@ 2300 RPM. New Warranty. $3000.00
Deutz Engine Crank case heaters 115 volt $2500.00
Rebuilt 444 Bobcat loader $4175
New Hesston 7020 harvester
100 H.P. capy. $3125.00 B.U.
1 row C.H. $1045.00
2 row C.H. $1550.00
New Papec Harvester with revolving stone knive grinder
Rebuilt Deutz F1L-712 Diesel 10 H.P. @ 1800 R.P.M. 6 mo. or 1000 hr. warranty. $1050.00 clutch $125.00 extra.
F1L-612 Deutz Diesel 10 h.p. @ 1800 R.P.M. with fuel tank & clutch, overhauled - low hrs. $700.00.
Used Petter PJ-1, 10 H.P. diesel $250.00
New Deutz F2L-912 diesel engines 20-32 H.P. electric start.
Custom-Built diesel Gen-Sets made to customer order.
New & Used Deutz diesel engines at special prices. Call for details.

STAUFFER DIESEL, INC.
312 West Main Street
New Holland, PA
PHONE 717-354-4181

FARM EQUIPMENT

USED EQUIPMENT

NH 68 baler; NH 56 & 55 hay rakes; (1) NH 455 & (3) 450 mowers; John Deere KBA discs, (1) transport, (6) pull type; Oliver 26 pull type plows; Oliver & IHC 2 way plows; MC 7 ft. rotary scythe; Nicholson hay tedder; NI 751 & 752 hay crushers; Wisconsin engines, 2 cylinder & 4 cylinder w/clutch reduction; AC-B power units w/clutch reduction.

Thomas J. Wheary & Son
717-687-6553

Hesston Stak Hand 10
Also
Hesston 10W
Stak Mover
Call for Special Price

New 27', 41', 53' NI Grain Augers
New Bush Hog 7' 3 pt. Cutter.
New 41' Model 177 NI Elevator, Special Price

NEW GEHL 1200 HARVESTER plus $325 cash bonus, plus old price advantage

New 1 & 2 row Pull Type Pickers

"We're Cleaning them out!" New Idea 206 Ground Driven Manure Spreaders. MAKE US AN OFFER

New Smidley Hog Feeders
New Gehl 120 Mix-Alls
New Gehl Flail Choppers - Special Rebate Now in Effect

Demo Hydra-Mac Model 8C 25 H.P. All Gear Drive SKID LOADER Call For Price

USED EQUIPMENT
Gehl 1500 Round Baler, demo.
IH Bar Rake
40' NI Auger w/electric drive
Cardinal 45' 6" Auger
Little Giant 41' 6" Auger
NI 310 1-row pull type picker
(2) #314 NI sheller attachments
JD 70 tractor w/NI 2-row mtd. picker w/12 roll husking bed
IH 710 5B auto reset plow
12' Lely Roterra, good cond.
NH 351 Grinder-Mixer
Gehl 65, 95, & 115 Grinder Mixers
(2) 3 btr. Lamco unloading wagons, 1 with roof
Artsway Ensilmixer
JD 10' pull type Chisel Plow 1600 Series

(1) New Idea 2-row narrow Corn Picker w/grinder Attch.

NI #504 Loader
Athens 21' folding gang transport Disc

UMBERGER'S MILL
New Idea, Gehl, Hesston & Brillion Dealers.
RD4, Lebanon (Fontana)
Phone 717-867-5161 or 717-867-2613

FARM EQUIPMENT

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SEE US FOR
- Barn Cleaners
- Silo Unloaders
- Tank Spreaders
- Conveyors and Feeders

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North East U.S. Largest Retail Forage Harvester Outlet

ANNOUNCING
5% Discount On All New Units before Jan. 1, 1979
Field Queen Side Dump Now Standard Equip.
258 H.P Detroit
7650, 258 H.P. Detroit & 7600, 210 H.P. Cat Engine
Both above units available w/4-wheel drive for 1979.

SALE

FORAGE EQUIPMENT
1973 Max I w/V671 Det. engine, 1977 3 row narrow corn head, 7' hay head and knife grinder.
$14,500.
JD 38 w/hay head and corn head.
$4,400.
JD 38 w/corn head and hay head.
$2,500.
1968 Fox Self-Propelled gas w/2-row corn head and hay head.
$3,500.

JUST TRADED
1975 Field Queen Side Dump w/3208 Cat engine
1976 Field Queen Standard w/air cond. & knife grinder

USED EQUIPMENT
NI 705 Uni System Dsl. w/767 chopper, 3-R head, 2-R Head, hay head and knife rebevel grinder
Fox Max II w/V6 71 Detroit Engine
Fox Super D, Dsl. Engine, 2-row head and hay head.

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Lancaster Co. 17520
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or Res. 717-733-3665

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Wisconsin VE4 hand crank & gear reduction ... $350 00
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Phone: 215-699-3533

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Ford 9N tractor
Ford 3400 tractor
Ford 5000 tractor
Ford 7000 tractor
Ford 8000 tractor
Ford 8600 tractor, w/factory cab
Fordson Major diesel
Ford 3400 tractor w/loader
Ford tractor loader backhoe model 4500
AC tractor model 6040, like new cond. 304 hours
Demonstrator Kubota model 225, 2 wheel, diesel engine
Demonstrator Kubota model 6000 w/mower
JD model 2010
New Holland stack liner wagon, model 10-34
Ford corn picker, 1 row mounted, 3 pt.
New Idea corn picker model 7, 1 row
New & Used gravity bins
New Holland forage wagon, 16 ft.
Athens disc harrow 12'6" model 83
Farmhand corn burr

Snow Blowers 3 pt. hitch - front mounted walk behinds FORD, IH, HANSON, ARPS, KUBOTA
Scraper Blades 3 pt. hitch MOHAWK, ARPS, FORD, FESA

Tractor Chains
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Dover, PA 17315
717-292-2631 or
717-292-4443

FARM EQUIPMENT

USED EQUIPMENT

TRACTORS
- Oliver 1650
- Int 1456 4-Wh Drive
- JD 40 Tractor with Cultivator
- MF 1100
- Case 1030
- Case 830 Tractor

LOADERS
- Case 1737 Skid Loader
- Case 1740 UniLoader
- Case 1537 UniLoader

TILLAGE
- JD Disc Harrow
- MF 3-Bot 2-Way Plow
- Case Disc Harrow
- Case 4 Bot Semi Mtd Plow
- Case 4-Bot 18" Plow
- MF 5-Bot Plow, Semi
- Used Cultipacker

HARVESTING EQUIPMENT
- Gehl Self Unloading Wagon
- IH 2PR 2-Row Picker
- Fox 2 Row Harvester
- Ford 602 2-Row Mtd Picker
- NI Unisystem - 705 Tractor
- NI Unisystem - 702 Tractor, 710 Combine & 760 Harvester
- Oliver 430 Combine
- IH 55 Harvester
- Case 300 Harvester
- Case V-12 Shredder
- Hesston 2000-100 Harvester
- JD 60 H Blower

HAY EQUIPMENT
- IH Fast Hitch Mower
- Case 555 Windrower
- Case 650 Self Propelled Windrower
- JD 1209 Windrower
- NH 269 Windrower
- NI 290 Mowditioner

MISCELLANEOUS
- Ford 4-Row Corn Planter
- JD 2 Row Planter
- 10 Used Spreaders

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SPECIAL ON ANTI FREEZE AND GRAVITY BINS

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970 93 H.P., Cab & Air, PS, Demo. $17,900
1070 108 H.P., Cab & Air, PS, Demo. $19,900
1370 155 H.P., Cab & Air, PS. $24,500

NEW EQUIPMENT
Case 1410 Tractor, Demo., 80 H.P. $11,900
Case 990 Tractor 53 H.P. $8,500
King Offset Disc 12'26" w/scrapers, Special $4100.
Demos. carry full warranty

FALL CHISEL PLOW SPECIALS

	Reg.	NOW
32" Cushion Shank Dept Gauge Wheels (Less Tires)		
10'	$2180	$1850
7'	$1139	$1000
5'	$895	$800

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Case 1816 Uni Loader $3,000
Model 24 NH Silage Blower w/30 feet of tubing and extendable shaft, ex. cond. $600.00

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JD 2440 Tractor w/146 ldr., 600 hrs.
1972 IH 2500A, 1400 hrs.
(2) 1977 NH 479 Haybine
JD 483 Haybine
NI 272 Cut-ditioner
1978 NH 1032 Stack wagon
NH 430 Baler
(2) 5' Rotary mowers
1977 Transcraft 42', 35 ton drop flat trailer
Call After 5 P.M.
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Allis Chalmers 20½ ft., 3300 Disc Harrow, heavy duty offset, used 700 acres. Repossessed! MUST SELL!

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AC 7580 4 wheel drive
AC 7000 diesel, PS
AC 185 diesel
USED TRACTORS
Massey Harris T020
384 Leyland diesel
NEW COMBINES
AC K-2 w/heads
AC M-2 w/heads
USED COMBINES
704 Uni-System w/combine
MF 300 combine
IH 303 combine w/heads
(1) AC K combine w/heads
Int. 203 w/heads
USED EQUIPMENT
658 Int. corn planter
AC 6-row no till corn planter w/monitor
AC 5 bottom spring trip plow
NI 326 husker unit
GT 570 grain dryer
NI 729A sheller attachment
NI 728 corn head
JD #18 1-row corn picker

- **DEFERRAL OF FINANCE ON NEW TRACTORS Till March 1, 1979, COMBINES Till June 1, 1979**

ALLIS CHALMERS **Sunflower Disc Harrows**

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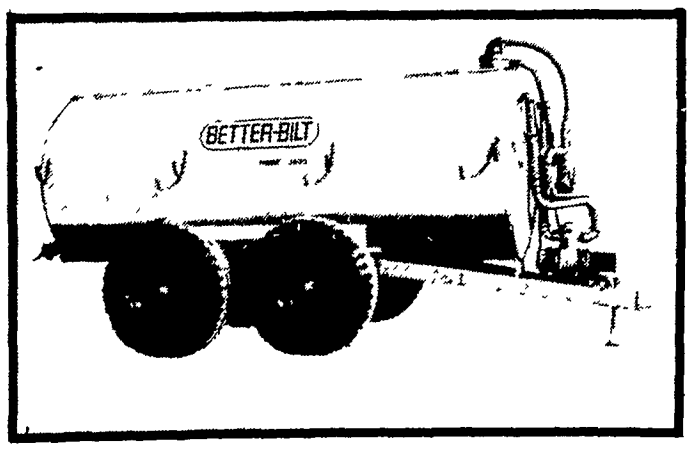

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Used MF 1155 Tractor cab, air, low hrs.

FARM EQUIPMENT

CASE TRACTOR

SMART BUYER'S SALE

New Case 90 Series tractor intro means big price savings on current 70 Series inventory clean-out

Save $$ on 93 to 180 hp tractors

● **"No-hour"** units ● **"Rental"** units

Many with 12-speed Range Power Shift, roomy Case cab, air conditioning, deluxe swivel seats, plus many other features Great tractors Smart buyer's opportunity

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BEFORE YOU BUY A FEED MIXER WAGON CHECK WITH US ABOUT THE NEW OSWALT 1830 ENSILMIXER.

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BADGER
3,000 gal. liquid manure tank
1,500 gal. vacuum tank
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Forage Wagons
Forage Blowers
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Registered Holstein Bulls

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FLAIL CHOPPERS
Brady 144"
Brady 6'

COMBINES
AC Model E
JD 45 w/corn and grain head
JD 6600 w/grain and corn head

TRACTORS

IH 450	Oliver 1650
IH 350	JD 4010
IH 544	JD 2010
IH 340	JD 3010
IH 300	JD A
IH 606	JD B
IH 806D	

HAYBINES
NH 469

CHOPPERS
Self-propelled Fox
New 2000 Fox

BALERS
IH 47
IH 46
JD 14T

MISC.
AC 6 row Air Planter
Fox Blower 52"
IH Blower 56"
Hesston 30 Stacker
Hesston 30 Mower
Hesston Hydro Swing
IH Disc Harrow

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28 Blower
Balers & Rakes

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461 Haybine
890 Fg. Harv. w/2R Head
33 Flail Chopper
Flail Att. for Baler
717 Forage Harvester w/2 row heads
IHC 550 Fg. Harvester w/2-row head

MISC. USED EQUIPMENT
Leyland 344 Tractor w/loader
7' Graham Plow
IHC Baler w/thrower
IHC 130 bu. Spreader
NI 218 Spreader
JD #5 Mounted Mower
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New Owatonna Windrower, Used about 25 to 50 acres.
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Case 870 Tractor
IH 100 Tractor w/cab
400 Farmall G Tractor
706 IH Tractor Gas
674 IH Tractor
460 IH G Tractor
M IH Tractor
M Super IH Tractor
871 Ford Tractor
Ford Jubilee Tractor

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USED HARVESTERS
MF 300 Combine w/13' Platform - Reduced
IH 715 Combine w/13' Platform, 200 hrs.
56 IH 4-row Planter
400 IH 4-row cyclo Planter w/no-till
700 IH 6-16" Plow, auto
710 IH 4-16" Plow, auto
531 IH 3-14" 3 pt. Plow
311 IH 3-16" 2 pt. Plow
Oliver 3-16" Auto. Plow
AC 5-16 Auto. Plow
IH 11' Chisel Plow
IH 350 Disc
Athens Disc 1 SOLD
1150 Grinder-Mixer
16x7 IH 10 Drill
1700 OMC Skid Loader
M 600 Bobcat
202 NI Spreader
206 NI Spreader
212 NI Spreader
214 NI Spreader
218 NI Spreader
224 NI Spreader
331 NH Spreader
365 NH Spreader
580 IHC Spreader
IH 440 Baler
IH 37 Baler

702 Gas Uni
705 NI Uni
710 Combine
713 Platform
717 Combine
723 2-row Head
723 Uni 2-row S Stripper
724 3-row Head
729 A Uni Sheller
731 4-row wide head

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IH

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I 656D Hydro
Farmall 300
Farmall 806
Farmall 340
Farmall MTA
JD 3010 Gas
MF 180

TILLAGE EQUIP.
IH 401 Spring tooth harrows
IH Offset disk harrow
IH 700 5 fur automatic reset plow
IH 311 2 pt hitch plow
JD 5 fur plow semi mount
IH 209A plow
JD F125 3 fur plow
MM 4F 16" plow
Brillion 9 ft dbl cultivator
ST 180 Howard Rotovator

PLANTERS AND GRAIN DRILLS
JD 13x7 Drill
Oliver 4 Row planter
IH 455 4 Row planter
JD 246 2 Row planter
MF 4 Row planter
IH 400 Cyclo 4 Row planter
JD 1250 4 Row planter
4 Row fast hitch cultivator

FORAGE HARVESTING
A C 780 Direct Throw w/2 row wide Corn Head Pickup
FOX 546 w/2 row wide Corn Head & Pickup
New Holland 717 w/2 row Corn Head
PAPEC 180, 1000 rpm w/2 row Corn Head & Pickup
JD 55 Combine
IH 403 Combine w//14" Grain Head
IH 650 Forage Harvester w/2 Heads
IH 815 Combine w/844 Corn Head
IH 205 Combine w/227 Corn Head
IH 50 w/engine drive - choice of heads
IH 50 w/540 pto drive
IH 234 Corn Harvester
New Idea 325 Picker w/sheller
JD 34 Harvester with 2 heads
(New) IH 715 Combine w/4 Row

OTHER MISC. USED EQUIP.
IH 275 Spreader
Starline Tank Spreader
AC B10 Tractor and equip.
Playcat ATV (excellent)
Haban Sickel Mower

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Case 53 HP 990 Diesel Tractor w/Case Model 65 Quick Attach heavy duty loader w/72" material bucket.... **$10,900**
Case Model 885 Diesel Tractor w/front end weights, 43 HP
Case 995 Diesel Tractor, 58 HP, 12 speed synchromesh w/power adjust rear wheels and front end weight carrier w/6 weights..... **$10,289**
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Demo Case 1410 80 HP Diesel Tractor w/Hydra-On-the-Shift w/18.4x34 power adjust rear wheels, 11Lx15 flotation front tires ... **$12,985**

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TWO SNOW BLOWERS IN STOCK
BERVAC 6 FT., 3 PT. HITCH, PTO DRIVEN, READY FOR DELIVERY.
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Many Year End Specials.

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Case 970 Diesel Tractor w/power shift, 100 HP class and 4-post rollover frame, 18.4x38 rear tires, power brakes, ether start **$15,900**
Case 1070 Diesel Tractor w/power shift, cab, air and heater, 11:00x16 front tires, 20.8x38 rear tires, power brakes, deluxe cloth swivel seat, 540-1000 PTO, ether start..... **$20,500**
Case 1370 Diesel Tractor w/power shift, 11:00x16 front tires, 18.4x38 rear tires, 10 front weights, ether start, deluxe cloth swivel seat, 160 HP, cab, air, heater, power brakes **$24,900**
Case 1370 w/power shift, cab, air, heater, 160 HP, 20 8x38 rear tires w/20.8x38 axle duals, deluxe cloth swivel seat, 10 front weights **$26,900**
Just received at old price
Case 2670 4-wheel drive tractor, cab, air, heater, 256 HP, crab steering, P.S., 3 point hitch w/quick coupler, 4 hydraulic remotes, PTO, w/20 8x34 dual wheels. All this for only.. ..... **$44,000**
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NO INTEREST WAIVER ON NEW CASE 90 SERIES
Case Model 2090, cab, air, heater, power shift, 20.8x38 rear tires, President swivel chair seat, ether start **$23,700**

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JD 1010 w/ldr - as is or repaired	$2800 or $5800
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[2] Case 1740D Uni-loaders	$3900-$5500
Ford 4500 w/ROPS	$4900
AC TL16 Diesel w/Cab	$8500
Hough 30B - 19(SOLD)-in-1 bucket	$12,500
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MISC. CONSTRUCTION

[150] Backhoe & Loader Buckets	$75 & up
[5] Sweepers - mounted	$200 & up
[12] set Forklift Forks	$250 & up
ROPS for JD 350 crawler	$250
Stationary Compressor for small garage	$500
Ripper for Case 450	$750
Farmi 3 pt Winch	$950
Rubber Tired Roller	$1000
Ripper for late Int. TD6	$1250
5 H.P. Garage Compressor - like new	$1750
Winch for JD 350 crawler	$2000
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Lorain Truck Crane - Cummings diesel - 18 ton	$5500
CAT 12 Grader w/Cab	$8500
Lorain 30 Ton Truck Crane	$20,000

CARS & TRUCKS

1964 Chevy Impala Convertible - PS - PB - Auto	$1275
1965 Int Horse Van - clean	$2000
1977 Chevy Cheyenne Pickup - loaded - ai(SOLD)ecked	$2500
1962 Ford w/16' Dump & Cattle sides	$2950
1975 Chevy Monte Carlo	$3900
1969 GMC - Flat Bed Dump	$3750
1964 Corvette - 2 tops - 4 speed	$4900
1977 Chrysler Cordoba	$4950
1978 Chevy Pickup - PS - PB - Auto	$4950
1978 Dodge Aspen Station Wagon - 4000 miles - air - like new	$5695
1972 Ford F350 - 15' rollback & winch	$6250
1975 Cadillac Fleetwood Brougham	$6500
1976 GMC Customized Van - Midas Touch - loaded	$6995
1978 Chevy Scottsdale - 4WD Pickup - - auto. - PS - PB	$7100
1971 Int. w/Machinery Tilt Bed & Winch	$7500
1970 Chevy C50 - PS - 5 & 2 - hay body - clean	$7500
1973 int 1600 w/14' grain dump - very good cond	$7500
1973 Ford C900 w/22' bed - air brakes - air conditioning - 2 speed rear - power steering - stake sides	$8500
1977 Cadillac Coupe Deville - Loaded	$8850
1978 Ford Chateau Custom(SOLD)indow Van - loaded 5000 miles	$10,750
1978 Lincoln Versailles - loaded - 7000 miles - lists for over $13,800	$10,900
1976 Chevy C65 w/new 18' Omaha Grain Dump - sharp	$13,500

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CAT 933	$5500
Case 310 - 4 in 1 bucket	$5900
CAT 933(SOLD)	$6500
Case 450 w/ripper	$6900
CAT D4 - cleaned & painted	$7500
Case 350 - 4-in-1 bucket - ripper	$7900
JD 450	$9500
JD 350 - new undercarriage	$9500
Case 1150 - 1970	$13,500
CAT 931 - 1974 ROPS - rebuilt u/c	$21,500
CAT 941 - new undercarriage	$23,500
CAT 951C w/ROPS - new under carriage - 1974	$32,500
CAT 977K - cab, - 1971 - cl(SOLD)rebuilt u/c	$34,500
CAT 983 - rebuilt engine - 1971	$58,000
CAT 983 - 1977 ROPS	$95,000

BACKHOES

New Long 3 pt w/pump	$3750
Ford 4500 - ROPS - loader only	$3900
Long 5-in-1	$5900
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Int 3514 - hydrostatic - 1970	$7500
Int 3616 - hydrostatic - 1969	$6900
Int 3800 - 4 WD - cab	$11,800
Long 5-in-1 w/4400 crane - cab - Demo	$26,500

UNI SYSTEM EQUIPMENT

[3] NI 729 A Sheller	[2] NI Uni Pickup Head
[3] NI 710 Combine Unit	[4 NI 3x30 Corn Head
[2] 711 Grain Head	[3] NI 3x40 Corn Head
[2] NI 4x30 Corn Head	NI Uni Harvester
[2] NI 3x30 Harvester Head	NI 702 Tractor w/cab
NI 2x40 Harvester Head	NI 701 Tractor w/cab
[3] [4] NI 2x40 Corn Head	NI 727 Husking Bed

NI SHELLER & GRINDER ATTACHMENTS

FARM TRACTORS

AC C w/2 row cultivator - hydraulic - clean	$950
Farmall 450 gas	$1500
JD MT w/cultivator - clean	$1500
JD G - power steering	$1500
Ford Jubilee - 3 point	$1950
Farmall Cub - plow - mower - hydraulics	$2150
Farmall Super A w/loader & duals	$2550
Farmall Super A w/cultivator-clean-fast hitch	$2650
Farmall 560 - D - FH	$2750
IH 444 Diesel	$2850
Oliver 1550 utility	$3250
JD 820 Diesel w/PTO - clean	$3650
Farmall 140 w/FH & cult	$3700
JD 730 Diesel - Sharp	$3750
Farmall M w/NI 12 roll picker	$3750
Farmall Cub - rotary mower - 1977	$3950
Farmall 706 Diesel w/3 pt	$4250
MM G900 Diesel - WF - PS	$4500
Case 930 CK	$4500
Farmall 706 Diesel - FH - Try	$4650
Ford 4000 Diesel-row crop-8 speed-PS	$4700
Ford 4500 Gas-w/loader-ROPS-straight shift	$4900
Case 930CK Standard	$4950
MF 175 Diesel utility - multipower	$4950
Case 1030 Diesel - WF - 3 pt	$4950
Farmall 706 Diesel - WF	$5250
AC 180 Gas	$5250
Case 930 CK	$5500
Long 460 - New	$5850
MF 1130 w/rollbar	$5900
International 574 - rollbar	$6000
[2] Long 560 - 200 hours & 400 hours	choice $6250
Long 560 - 4WD - loaded - 300 hours	$6500
Case 1030	$6500
MM G1000 Vista w/cab	$6750
Int 656 Diesel - Hydro w/loader & roll bar	$6750
Farmall 656 Diesel - hydro - wide front - new tires	$6950
JD 3020 Diesel - WF	$6950
MF 1100 Diesel - WF - clean	$6950
Long 560 4WD - demo(SOLD)	$7250
Long 560 4WD - demo	$7250
Oliver 1850 w/over & under	$7500
Farmall 706 German - clean - 1967	$7500
Farmall 806 w/c(SOLD)3 1x30 tires	$7500
Farmall 856 w/cab	$7750
JD 4020 Diesel - WF - Powershift	$7850
[2] Farmall 806 - WF - 3 pt.	choice $7950
MF 1130 w/duals - 1970	$8000
MF 1130 - 1967	$8000
Oliver 1755 - over & under - 1900 hours - 1973	$8250
Long 560-4WD-new	$8450
A.C. 220 w/CAB - Air	$8750
Farmall 826 - clean	$8950
Farmall 856 - 3000 hours	$9500
Long 560 - 4WD - HI Clearance Model w/130 hours	$9500
MF 1085 w/cab	$9500
JD 5020	$9500
IH 1456 - 1970 - new tires - clean	$9750
Ford 9600	$10,500
JD 4020 Side Console - new tires - clean	$10,500
IH 1066 hydro - 1971 - new tires - clean	$11,750
Farmall 966 w/cab - air	$12,500
JD 5020 w/cab - air - duals	$12,750
Farmall 1066 w/cab - 1973 - air	$12,900
JD 4620 w/cab - air - 20 8x38's	$13,500
Farmall 1466 w/cab - clean - 1974 - air - wts	$14,500
AC 7000 w/cab - 600 hours - air - weights	$15,900
JD 730 Diesel	coming in
IH 454 Diesel	coming in
Ford 800 w/4 WD	coming in
Case 970 w/cab	coming in

CORN PICKERS

[2]NI 305 mtd. (rough) & Good	$350 & $950
Ford 1X mtd. (red)	$475
Ford 2X mtd (blue)	$500
[2] Oliver #5	$650-$1250
[2] Int 234	$1000-$1750
NI 311 w/sheller - average	$1500
Oliver 74H - 12 roll - sharp	$1500
[3] NI 319 w/12 roll bed - sharp	$1700 & up
[2] NI 325 w/sheller	$1950-$3650
NI 319 mtd w/8 roll bed - sharp	$2250
NI 305 w/12 roll bed - average plus	$2500
NI 311 w/8 roll bed	$2850
NI 305 12 roll mtd on Farmall M	$3750
NI 324 w/sheller - sharp	$4450
NI 324 w/8 roll beds - sharp	$4500
[3] NI 324 w/12 roll beds, sharp	$4750 & up
NI 324 w/super sheller - sharp	$4950
Woods 1 row	coming in
NI 325 w/12 roll bed	coming in

CRAWLER DOZERS

Int TD 6-late model-ripper	$5900
JD 350-6 way	$5900
JD 350-6 wa(SOLD)w u/c	$7950
CAT D8 & Pan	$9500
CAT D8-15A	$14,000
CAT D8H(SOLD)	$23,000

NEW & USED DUALS ON STOCK

WANTED
TRACTORS & COMBINES FOR SALVAGE

LOG SKIDDERS

JD 440A - 1967	$6850
Int. S7C	$7850
JD 540 - powershift - as is	$9500
JD 440B - 1973	$10,500
JD 440B - 1970	$10,975
JD 540 Powershift	$13,500
JD 440B - 1974 - powershift	$13,975

"3 PT. SCRAPER BLADE SPECIALS"
6' . . . $185 7' . . . $205 8' . . . $295

FORKLIFTS

Motolift - as is	$1000
Clark 5000 lb. Solid Tires	$1350
White - Solid Tires	$4500
Yale - air tires - clean	$4800
MF 2200 Diesel - 1972	$5900
York-Baker-air tires-clean-8' forks-excel.-700 lb.	$10,500
Case 586 Diesel - Hydrostatic - 6000 lb - new tires - 1974 - clean	$13,500

"GRAVITY BINS ON SPECIAL"
J&M 210-6 . . . . . $398

SELF-UNLOADING WAGONS

NI 16' 3 beater & roof - w/gear - NEW	$3500
Lamco 16' 3 beater & roof - w/gear - NEW	$3750

TRAILERS

[20] NEW Hudson tag-a-long Trailers	From $500 to $5000
Gramm 30' flat	$975
New Horse Trailer for 2 horses	$1350
Lowboy with beavertail	$2950
1973 Fontaine 25 Ton Lowboy - very clean	$8000
1978 Fontaine 42' drop deck	$9500
1977 Delta Combine Trailer - 44'	$11,500
Great Dane 35 ton detachable	$13,750

FIRST CALF SPRINGING HEIFERS — ALL HOLSTEIN
★ 30 TO CHOOSE FROM
$750 CHOICE

OTHER EQUIPMENT

Saw Bucks	$65 & up
New 3 pt. Carryalls	$150
Stalk Chopper for balers	$150 & up
[3] JD 43 PTO Shellers	$350 & up
Snowmobile	$350
Int. Roll Bar	$350
[12] NI sheller & grinder units	$375 & up
Jamesway Silo Unloader (new) as is - 14'	$395
Ford 8000 Roll Bar	$450
White - Oliver Roll Bar	$450
MM 1200 Sheller (Rough)	$475
New Little Giant corn drags	$500
New Wood Splitter for 3 pt	$600
JD 43 3 pt Sheller	$650
Year-A-Round Cab For 806	$750
[3] Int 234 Sheller units	$1000 choice
NI Wheel Rake (demo)	$1150
[2] MM D PTO Sheller w/drag	$1250-1750
New Cardinal 51'6" Auger	$1550
Cab for 930-1030 Case	$1750
NI 272 Cutditioner	$1975
Demo Wetmore Feed mill	$2750
New Grainovator 30 wagon	$3500
Hesston 10 Stacker	$3750
Lots - lots more	

NEXT CONSIGNMENT SALE
DECEMBER 18
9:30 A.M.

LONG

WENGER'S INC.

LONG

HOURS
Mon thru Fri 7 30 - 5 00
Sat Mach Dept 7 30 3 00
Parts Dept 7 30 Noon

South Race St., Myerstown, PA 17067, just off Route 501 and 422 in Myerstown

PHONE: Days 717-866-2135, Nights 717-866-7147 OR 717-273-9089

FARM EQUIPMENT

For Sale - 2 Clay barn cleaners with approximately 400' of chain, $1500. 40 yokes, $500. 215-588-3730.

USED TRACTORS
IH B275, 32 H.P. Diesel Utility
IH 444, 38 H.P. Diesel Utility.
Corn Snapper head, used, very good condition, will fit MF or Fox forage harvester.

SOMERSET FARMERS SUPPLY
201 S. Pleasant Ave.
Somerset, Pa. 15501
Ph: 814-443-2841

FARM EQUIPMENT

LUCKNOW SNOWBLOWERS

Model	Width	HP	Cost
S-6	78'	30 Min	$ 975
S 7	84	35	1100
D-7	84	40-50	1350
D 75	90'	75 150	1750
D 85	102"	75-150	1950

LOWER IMPLEMENT SALES
Delivery Available
Evans City, Pa
(412) 538-5995

FARM EQUIPMENT

For Sale - 518 NH spreader w/hyd. end gate $1275.; 300 gal. Esco bulk tank $275. Both in good condition. 717-354-0484.

WHITE Farm Equipment — MF Massey Ferguson

MM G1000 Diesel
David Brown 1210 4 wd. w/loader - $8800. extra good cond.
White 1975 7300 Diesel Combine w/13 ft. soybean head
NH 975 diesel combine 11 ft. grain table & 2 row corn head
New MF 750 combines
Used MF 410
New model 120 Woods rotary mower
New C114 Woods 9½ ft.
AC 14 ft. self-unloading forage box
JD 34 choppers with heads $2275
JD 747 12 ft. rotary $1295
JD BWF 12 ft. transport disc $1195
IH 50 Forage Harvester w/2 row corn head
Oliver 251 10 ft. 11 in. disc $995
New 21 ft. Pitman 3 axle trailer $2975
New model 58 MF rotary mower $595

Don't Cuss - Call Gus

GUS FARM EQUIPMENT, INC.
Intersection 214 & 616
Seven Valleys, PA
PH: 717-428-1967

FARM EQUIPMENT

For Sale - 500 gal. air tanks. David S. King, Rt. 2, Box 275B, Myerstown, Pa. 17067.

SPERRY NEW HOLLAND — ALLIS-CHALMERS

USED EQUIPMENT
Owatonna Mustang 330 Skid Steer Loader
AC 5-B Auto Reset Plow
AC 14 ft. Transport Disc
AC WD45 Diesel w/2-row Ford Picker
NH 717 Forage Harvester w/2-row Head & Pickup
Several Used Harvesters

USED TRACTORS
AC B w/plow & cultivator
AC 180

NEW EQUIPMENT
NEW HOLLAND MANURE SPREADERS
NH L-35 Skid Loader
10 ft. Miller Disk
AC Gleaner Combine Model M2
Hub Tool Elevators formerly N.H.

NEW TRACTORS
AC 7045 — AC 530
AC 7000 — AC 185
AC 5050

NEW YANMAR 2 Cyl Diesel Tractors In Stock

BHM FARM EQUIPMENT INC.
RD1, Annville, PA
717-867-2211

FARM EQUIPMENT

JOHN DEERE

NEW COMBINES
JD 6600 Side Hill

USED COMBINES
JD 45
Gleaner C II

NEW TRACTORS
JD 2640
JD 2840

USED TRACTORS
AC C
AC WD
Farmall H
Farmall M
JD A
JD B
JD 50
JD 520
JD 720 D
JD 1020
JD 1520
JD 2010
JD 3010
JD 3020
MF 65 D

Now is the Time - Waiver of interest on New and Used Tractors.

MILLER'S SALES & SERVICE, INC.
West Penna. Ave.
on Highway 851
Stewartstown, Pa.
717-993-2470
or 993-2732

FARM EQUIPMENT

JOHN DEERE

NEW HARVESTING EQUIPMENT
JD 6600 Side Hill Combine

USED TRACTORS AND CRAWLERS

SPECIAL PRICE
Ford 6000 Commander, New paint, major overhaul, wide & narrow front end w/IH 550 5-14" semi plow.

JD 1020 Diesel, new tires
IH 400 Diesel w/plow, new paint.
IH Super C w/mower.
White 2-105 w/duals.
Oliver HG Crawler.
Oliver OC-3 Crawler w/loader.

USED COMBINES
JD 6600 w/13' Platform and 643 corn head.
JD 40 Combine w/205 corn head
1975 MF 300 Combine w/13' platform, 2-row wide head

Waiver of finance on new & used tractors & combines.

TOBIAS EQUIPMENT CO., INC.
Halifax, PA 17032
Phone: 717-362-3132

FARM EQUIPMENT

Case®

MF Model 175 Tractor w/loader, real nice
NH 479 Haybine, real nice.
NH 790 Manure Spreader, good cond. $2,395.
NH 975 Combine w/cab, 3R narrow, 2R reg. & 13' grain heads, fair condition.
Melroe Bobcat 500 Skid Loader, good cond.

Paul Shover's Inc.
35 East Willow Street
Carlisle, PA
717-243-2686

FARM EQUIPMENT

NEW TRACTORS IN STOCK
Int. 684
Int. 384

NEW EQUIPMENT
Int. 510 5-bottom Plow

USED EQUIPMENT
Farmall M tractor
NH 33 Flail Chopper

CORN EQUIPMENT
Moridge Corn Dryer
Used M & W Model 155 Corn Dryer
Kory 220 bu. Gravity Boxes w/10 ton gears

Waiver of Finance On New Equipment

LAMB'S FARM MACHINERY
Thorndale, PA
Phone 215-269-2676

ERTL® TOYS

★ FARM TOYS
★ TRUCKS
★ MODEL KITS
★ PEDAL TRACTORS AND TRAILERS

LARGEST SELECTION! LOWEST PRICES!

COMBINES

MC 76	$250
JD 30 pull type	$1000
Int 101 - 10' Hume Reel - nice	$2250
[3] NI 710 Uni Combines	$2350 each
Int 203	$3750
Int 82 pull type	$3750
JD 40 - 10' Hume Reel - nice	$3750
Int 203 w/cab	$4000
Int 203 w/cab - clean	$4500
NI 701 Uni Tractor w/cab	$4500
JD 45 Square back w/cab	$4750
[2] Gleaner CII w/cab	$5750-$6250
Gleaner EIII w/cab	$6750
Int. 205 w/cab	$6750
MF 410 w/cab	$8250
MF 510 w/cab - quick tach	$8750
Gleaner K w/cab	$8900
[2] Long 5000 Diesel w/cab, demo	$11,500 each
JD 4400 w/cab	$16,500
JD 55 Square back w/cab - nice	coming in
NI 702 Uni Tractor w/cab	coming in

COMBINE CORN HEADS

(LARGEST SELECTION EAST OF MISSISSIPPI RIVER)

[6] Cleaner E240
Gleaner A330
Gleaner F430
Gleaner C430
[3] Gleaner C440
[2] Gleaner C630
Gleaner FL330
[3] Gleaner EIII 240
Gleaner A240
Gleaner K Grain Head
[2] Gleaner KL238
[2] JD 435 - 30"
JD 434 - 40"
[7] JD 234
[5] JD 210
[5] JD 444
JD 643
[2] JD 10
[2] JD 313
JD 244
JD 443
JD 643
[5] JD 205
[2] JD 343
[4] JD 334
JD 335
Int 430
[11] Int 227
[3] Int 229
Int 228
[2] Int 329
Int 733
[3] Int 327 WN
[4] Int 429 WN
[2] Int 22
[4] Extra IH Grain Heads
[4] MF 222
MF 44
[2] MF 33
[2] MF 20
[2] MF 22
[2] MF 321 for 300 & 410
[2] MF 421
[2] MF 422
[2] Extra MF Grain Heads
NH 922 For 985
Case 404
[2] Case 345 (2 row)
[3] Oliver 522
Oliver 512
[2] Oliver 531
Oliver 541
Oliver 544
MM H210
4 x 40 For NH 985

HARVESTERS & HEADS

(WE SPECIALIZE IN EXTRA HEADS)

NH 880 Harvester
NH 818 self-propelled Harvester
NH 818 PU
JD 35 Harvester
Fox Harvester
[2] NH 880 PU Head
[2] NH 2x30 Corn Head for 880
NH 880 Sickle Head
[2] NH 717 PU Head
[2] NH 616 PU Head
[3] NH 616 Sickle Head
NH 2x40 Corn Head for 818
NH 818 Sickle Head
[3] NH 717 Sickle Head
[4] Int 50-55-550-650 PU Head
[2] Int 2x30 Corn for 50-55-550-650
[2] Int Sickle Head for 50-55-550-650
[7] Int. PU Head for 15-16-350
[8] Int Sickle Head for 15-16-350
Int. 2 x 40 Corn for 550
[2] Case 300 PU Head
[2] JD 35-38 PU Head
[3] JD 34 PU Head
JD 35-38 1X Corn
[2] JD 35-38 Sickle Head
[2] JD 34 Sickle Head
[2] JDS 35-38 2x30 Corn Head
[2] JD 34 2x30 Corn Head
JD 35-38-3800 3x30 Corn Head
JD 12 Sickle Head
JD 34 Harvester
[2] AC 780-782 PU Head
AC 720 PU Head
AC 780-782 Sickle Head
AC 2x30 Corn for 780-782
[5] Gehl 188 PU Head
Gehl 2x30 Corn for 188
Gehl 2x30 Corn for CB600
Gehl 188 Sickle Head
[5] Fox PU Head
Fox 2x30 Cornhead
Fox 4x20 Corn Head
2 x 40 For NH 717

LONG

WENGER'S INC.

LONG

South Race St., Myerstown, PA 17067, just off Route 501 and 422 in Myerstown

PHONE: Days 717-866-2135, Nights 717-866-7147 OR 717-273-9089

FARM EQUIPMENT

Int. 1066 dual wheels, cab; Int. 716 6 bottom plows - resets; Int. 400 cyclone planter, no-til, minitor; Int. Monmatic 2350 loader; Int. 205 combine, both heads; Int. sheller for 234 corn picker; Int. 1890 Y license truck. Ph. 814-672-8196. William Pusey, Jr., Glen Hope, Pa.

FARM EQUIPMENT

SNOW PLOWS
LOADER MOUNTING
30" x 8' Angles right or left, spring trip. Order now for later delivery.
Limited Quanity Available.
HUGO WELDING & REPAIR SHOP
Bowers, PA 19511
Ph: 215-682-2781

FARM EQUIPMENT

For Sale - Custom Built double chain, wooden conveyors & tapered board feeders for cattle and hog feeding systems. M. Rissler, Stevens RD 1, Pa. 215-267-2244.

FARM EQUIPMENT

For Sale - 1977 White 8800 combine hydro cab with air conditioning, 708 hrs., 13' Kwik cut floating cutter bar, 706N 6-row corn head, 704W 4-row corn head. Ph. 301-756-2258.

FARM EQUIPMENT

FARM EQUIPMENT

John Deere design, dependability, and dealers make the difference

JOHN DEERE

USED EQUIPMENT

TRACTORS
JD 4630
JD 4430, QR, cab, AH
JD 3020 Dsl PS
JD 2510 Gas
IHC 1586 Cab, air, duals, 600 hrs
AC D-14
JD 50

SPREADERS
JD 54
NI 213 165 bu
NI 214 195 bu
NI 218 318 bu
Cobey 195 bu
Brady Tank 150 bu

COMBINES
JD 7700 Dsl, cab, air, 15' plat, 6 row N
IHC 815 Dsl 13' plat, 4 R W
MH 82, 12' plat
JD 45, 10' plat

CORN PLANTERS
JD 1240 4-row
JD 494 4-row
JD 1440 4-row, no till
JD 1250 6-row
AC 4-row, no till

FORAGE EQUIPMENT
Field Queen SP, hay pickup, 2 R W, 3 R N
NH 717 RC, hay pickup
JD 3800 hay pickup, 2 R N
Fox 3000 2 R W
JD 38 hay pickup, 2 R N

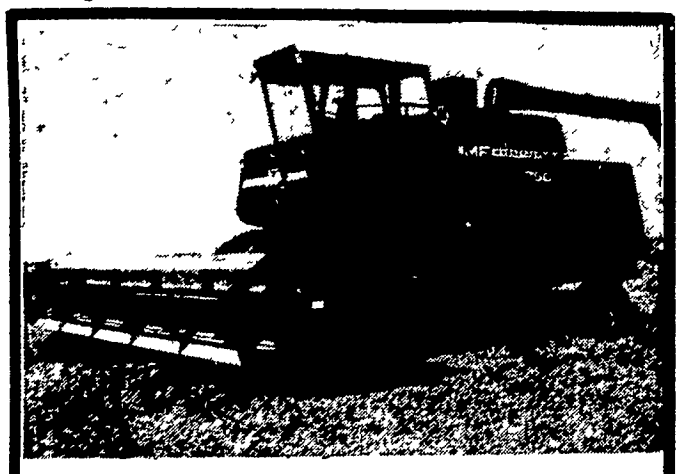
CORN PICKERS
Oliver 2 R W
NI 323 1 R

NEW IDEA UNI-EQUIPMENT
702 Power Unit, gas w/cab
726 Husking Unit
728 4-row N, corn head
720 2-row W, row crop
760 Harv Unit

NEW EQUIPMENT
JD 8430 4 WD Tractor
JD 1640 Disk Harrow
JD 307 P T Gyramors
Speedy Corn Crib, 1200 bu
Hawk Bilt Tank Spreader, 357 bu
NI 206 Manure Spreaders
JD 100 Stack Wagon
NI 323 One Row Pickers

SEE US FOR WAIVER OF FINANCE CHARGES ON NEW/USED TRACTORS, COMBINES, PLANTERS, HAY & FORAGE EQUIP., GRAIN DRILLS, TILLAGE TOOLS.

LANDIS BROS., INC.
1305 Manheim Pike
Lancaster, PA 17601
717-291-1046



NEW 760 & 750 COMBINES IN STOCK
5 USED COMBINES FOR SALE

- 1976 MF 760 Hydro, V8 Diesel
- 4 Wheel Drive, w/6-row 30" Corn head
- And 14' Grain Table.

(1) MF 510 Diesel
(1) MF 410 Gas
MF 300 Gas
JD 45
NI 11' Uni Combine
MF 6-Row 30" corn head

USED TRACTORS

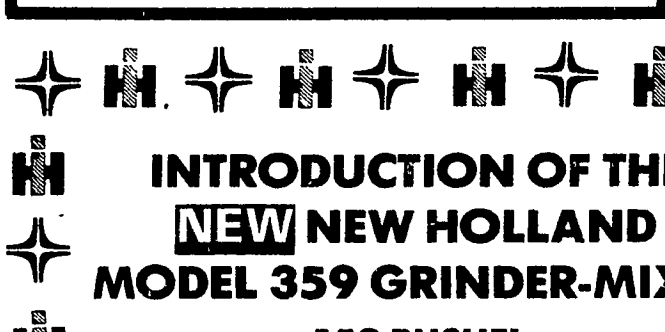
MF 1155	$11,700
MF 1085	$9,500
IHC 504 Gas	$3,000

ALSO
MF Round Baler (Demo)
Hawk Bilt Round Baler

M. M. WEAVER & SONS, INC.
LEOLA, PENNA. 17540
PHONE: 717-656-2321

NEW WINTER HOURS:
Open Mon. thru Fri. 7 a.m. til 5 p.m.
Saturday, 7 a.m. til 4 p.m.

Located 4 miles west of New Holland on Route 23, one and one-half miles northeast of Leola, on the North Groffdale Road, one mile on the right opposite Groffdale Mennonite Church



STOLTZFUS WET LIME SPREADER
Will spread fertilizer, poultry wastes, etc.

- Leaders in accurate spreading for ¼ of a century.
- Truck mounted or tractor drawn.
- Manufacturers of boom type for dry materials.
- Distributors for the famous Willmar line of quality spin spreaders, tenders, etc.
- We stock spreaders and parts.

C. U. STOLTZFUS MFG. INC.
Morgantown, PA 19543
Ph: 215-286-5146

NEW IDEA | case | GEHL — Gets into your system

A.L. HERR & BRO.
Quarryville, PA 17566
717-786-3521

—YEAR END SPECIALS—
— Case 885 43 H.P. 12 speed - $7300.00 —
— Case 990 - 53 H.P. 12 speed - $8900.00 —
— Dunham 10'6" cultipacker - $645. —
— Dunham Corn Cribs 1400 bus. - $825 —

—USED EQUIPMENT—

TRACTORS
Case 970 Cab
Case 1070 cab, air
Case 830
Case 200 loader
Case 430
IH 444
IH 504
MF 175
MF 135 w/mower
MF 20 loader
JD 2010
JD AW/cult.
Ford 9N

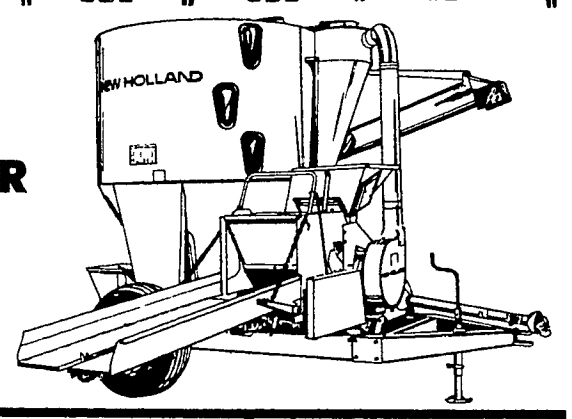
UNI-SYSTEMS
NI 705 Tractor
NI 760 Harvester
NI 2 & 3 Row Head

MISC. EQUIP.
Brillion Cultimulcher
Glencoe Chisel 12'
Ford 3 pt. Flail
Gehl 1500 Round Baler
Gdn. Tct. Rotary Broom
Ground Drive Spreaders
JD #18 Corn Picker

NEW IDEA EQUIP.
Manure Spreaders mod. 202, 212, 213, 224
290 Windrower
42' Elevator
325/327 Pickers
325/314 Picker-Shellers
319 Mounted Picker
504 Manure Loader

FORAGE EQUIP.
Gehl CB600 Harvester
AC 782 Harvester
Assorted Heads
Badger Blower
Fox-Table Blower
NH 26 Blower
JD 216 Forage Box
AC Forage Box, w/roof

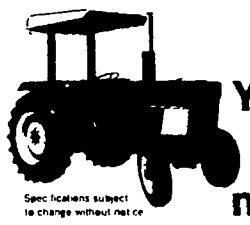
INTRODUCTION OF THE NEW NEW HOLLAND MODEL 359 GRINDER-MIXER
150 BUSHEL WITH 25" MILL
SEE IT TODAY AT MESSICK'S.



WAIVER OF FINANCE TO MARCH 1, 1979
On All New and Used Tractors and Implements Sold With Tractors.

IH NO. 80
3 point hookup
SNOW BLOWER IN STOCK

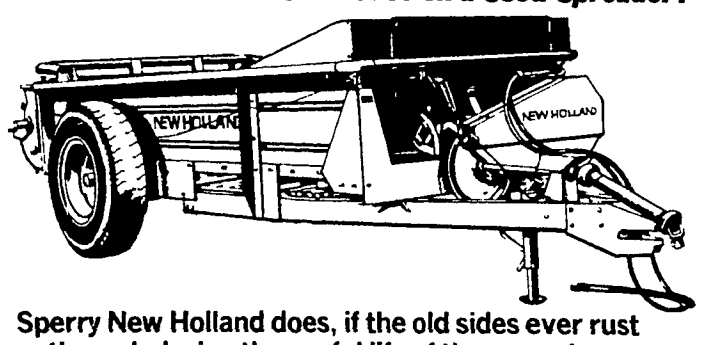
M SERIES TRACTORS



You get *more* in a new 84

Specifications subject to change without notice

Who Gives You New Sides Free on a Used Spreader?



Sperry New Holland does, if the old sides ever rust through during the useful life of the spreader.
See Our New & Used Sperry New Holland Spreaders Now.

WAIVER OF FINANCE ON NEW & USED
• HARVESTERS • CROP CARRIERS • BLOWERS • HAY EQUIPMENT

—COMPLETE LINE OF USED EQUIPMENT—

Farmall Super C Fast Hitch, Cultivators, 2 Bottom Plow
NH S.P. 1880 Diesel, 3 Heads, (Good Cond.)
IH 315 Packer-Mulcher
IH 1150 Grinder-Mixer
JD Grain Drill
NH 273 Baler
NH 269 Baler
NH 270 Baler
NH Super 717 1-Row Pickup
IH 225 S.P. Haybine
NH 479 Haybine
IH 211 Plow
IH 311 Plow
IH 50 Harvester
Several Used Spreaders
Several Used Disk Harrows
Oliver 4 Bot. Semi-Mtd Plow
IH 990 Mower-Conditioner
JD 494 6-Row Planter

MESSICK FARM EQUIPMENT, INC.
RHEEMS EXIT - RT. 283 ELIZABETHTOWN, PA.
PHONE: 717-367-1319 — 653-8867
M. DALE HERR - HOME 859-2490 WARREN SPICKLER - HOME 653-4560

SPERRY NEW HOLLAND

FARM EQUIPMENT

For Sale - Case 1070 Cab w/air, power shift, 20.8x38, low hours. Ph: 717-548-3402.

For Sale - Gandy applicators and fertilizer spreaders. Gideon F. Stoltzfus, RD 2, Gap, PA 17527. 2 miles North of Gap along 897.

FARM EQUIPMENT

For Sale - 10x40 concrete-stave silo $500. Stump Acres, 717-792-3216 York Co.

For Sale - American automatic 120 bu. batch grain dryer, good condition, priced for quick sale. Lycoming Co. 717-547-4872.

FARM EQUIPMENT

For Sale - NH 55 & 56 hay rake, NH 455 trailer mower, NH 32 ft., 37 ft., and 38 ft. hay and corn elevators. Ford 501 3 pt. mower, 7 ft. bar, Oliver 12 & 14" 2 bottom trailer plow. 717-687-6553.

FARM EQUIPMENT

For Sale - 7x12 truck bed made from oak and hickory wood with sides and tail gate, 2 pt. IH subsoiler, very good condition, 2 LPS feeders, very good condition. 302-378-8454.

FARM EQUIPMENT

For Sale - Int. mounted 2 MH corn picker $325. 717-458-6831.

FARM EQUIPMENT

For Sale - L Gleaner combine, 15' grain head, 6-row head. Ph. 717-244-1124.

JOHN DEERE **Nothing runs like a Deere**

THIS WEEK'S SPECIAL

NEW JOHN DEERE 700 & 750 GRINDER-MIXER

$4,725.00-$5,950.00

USED FARM EQUIPMENT

Case 700 Diesel
Farmall 400 Diesel
JD 38 Forage Harvester
JD 45 Combine w/Corn & Grass Head
NI Pull Type Picker Sheller, 2-rows
JD 24T Baler
JD 224 Baler
JD 336 Baler
NH 269 Baler
IH 46 Baler w/thrower
NH 1469 SP Haybine
Hesston 500 SP Mower Conditioner
NI Cut/ditioner
JD 290 Corn Planter
Pittsburgh 11 ft. Disc
IH 2 pt. 3B Plow
JD 1600 Chisel Plow
16' Lever Harrow
JD 760 Spreader
NI 205 Spreader
15 HP 3 phase elec. Motor

FREE FINANCE ON NEW & USED JOHN DEERE TRACTORS, JOHN DEERE & NEW HOLLAND FORAGE HARVESTERS, HAY TOOLS, & COMBINES.

NEW FARM EQUIPMENT

JD 4440 Tractor, SG & PS
JD 850 Tractor
JD 1207 & 1209 Mower Conditioners
JD 1600 Chisel Plow
NH 707, 770 & 890 Harvesters
JD 35 & 3800 Forage Harvesters
NH 1-R Snapper Head
JD 336 Baler
NH 310 Baler
Tye No-Till Seeder
NH 357 Grinder Mixer
JD 700 & 750 Grinder Mixers
JD 18x7 Grain Drill
JD 1700 Mulch Tiller
Bobcat Skid Steer Loaders
JD Manure Spreaders 40, 54, 660, 680, & 790 Flail
NH Manure Spreaders 519 & 791
Glencoe Soil Savers
Athens Disc Harrows
EZ Trail Wagons
EZ Flow Forage Boxes
Martin Manure Spreader

CLUGSTON IMPLEMENT, Inc.

1 Block off I-81 Exit 8
Chambersburg, PA 17201 Phone: 717-263-4103

bobcat SPERRY NEW HOLLAND

C.J. WONSIDLER BROS.

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$ BIGGEST SAVINGS OF THE YEAR $

Save Yourself Hundreds of Dollars!

TRACTORS

AC D15
AC D14
AC WD
White 4-180 w/only 600 hrs.
Oliver 1950-T Diesel, 2300 hrs.
Oliver 770
(2) Oliver 88
(2) Oliver 77
Oliver Super 77 Diesel
JD 3020 Gas
JD 430
JD G
JD MT w/3 pt. hitch
Case 730 Diesel
Farmall 706
Farmall 460 Diesel
Farmall 340
MF 50
Ford 900
Ford 4000
Ford 6000 Diesel

HARVESTING EQUIP.

AC Gleaner E w/cab; grain & corn heads
AC Gleaner CII w/grain & corn heads
Oliver 535 w/grain & corn heads.
JD 45 w/grain & corn heads
JD 45 w/grain & corn heads, 1968

HARVESTING EQUIP. (cont.)

IH 815 w/cab, air & heat, 13' grain head, and 430 corn head
MF 82 w/grain & corn heads
Fox Self-propelled 2-row corn head & pickup

MANURE SPREADERS

NI 213 Single beater
NI 214 Single beater
NI 213 Flail
NI 212 Single beater
NH 675 Single beater, 275 Bushel

OTHER EQUIPMENT

Gehl Grinder/Mixer Mill-Al
Gehl 72 Flail Chopper
NI 4-row Flail Chopper
(2) JD 13' Disc
JD 12' Disc
AC 10' Disc
(2) Brady 7' Chisel Plows, 3 pt. hitch
Brady 10' Chisel Plow, 3 pt. hitch
Brady 16' Field Cultivator, pull type
Ford 7' Snow Plow
AC 7' Snow Plow for 160 Tractor

Trumbauersville to Finland Rd., Quakertown, PA
CALL (215) 536-1935, 536-7523 or 767-7611 (New Tripoli)

IHC 986 TRACTOR w/roll guard, new in '78

HARVESTING EQUIPMENT

TRACTORS

JD 4320 Dsl. w/RG & enclos.
JD 4020D, PS, 66 Model
JD 4020D, side console
JD 302(SOLD) console
JD 302(SOLD)
JD 2840D, 130 hrs.
JD 2630D, 950 hrs.
JD 102(SOLD)
JD 730 Dsl. Elec. Start
IH 1466 w/cab 1500 hrs. - very nice
IH 1256D
IH 706 German Dsl.
IH 756 (SOLD)
IH 656 Gas
IH 560 Gas, WFE
IH 560 Dsl.
IH 504G w/loader
IH 140 w/snow plow
IH 130 w/mower
Ford 5000 Dsl. 8 spd.
Ford 9000 w/cab
Ford 3000D
AC XT190 Series 3, Cab & AC
AC 185D, cab, 1340 hrs.
MF 1100 Dsl.
MF Super 90D
Oliver 2155D
Case 995D '75
Case 970D

DISCS

JD TWA plowir(SOLD)
JD BWF, folding
JD BWA, AW, & RWA
IHC 370

PLOWS

JD, IHC 3, 4, 5, & 7 bottoms

COMBINES

MF 410 w/Quick Tach Grain Platform & Pickup Reel. Choice of corn heads.
MF 82 w/platform & 2 row corn head
IH 715 hydro w/grain platform & 4-row wide corn head
IH 205 w/Grain Platform & 2 row corn head
JD 55 Squareback w/-Quick tach platform
JD 4400 D w/grain platform & 4-row narrow corn head, ex. cond.
IH 82 pull type, ex. cond.
NI 701 Uni 710 combine, 13' platform, 723 2-row C.H.

NEW BALERS

JD 336, 346
Used NH 273, Ex. w/throwers
Used JD 346 wire w/thrower
Used NH 276 w/thrower

GRINDER-MIXERS

NH 354(SOLD) new
NH 350(SOLD)
NH 352(SOLD) nd.

CORN PICKERS

Selection of New Idea 1 & 2 row Pull Type & Mounted Shellers & Grinders

GUNTHER HEUSSMAN INC.

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M&R EQUIPMENT, INC.

NEW PARK, PA. PH: 717-993-2511

— 4 mi. S. of Stewartstown, PA

Resident Ph: 301-452-8693 Mon. 7 AM to 8 PM; Tues. - Fri. 7 AM to 5 PM; Sat. 7 AM to 12 Noon

THE FARMERS WORST ENEMY IS NOT THE WEATHER, HOOF ROT, TAXES, OR OSHA! IT IS INFLATION! INFLATION IS A TOUGH FOE THAT WE MUST ALL FIGHT TOGETHER! M&R EQUIPMENT IS DOING ITS PART TO FIGHT INFLATION BY KEEPING EQUIPMENT COSTS AS LOW AS POSSIBLE WE HAVE DRASTICALLY LOWERED PRICES ON MANY OF OUR REPLACEMENT PARTS — SEE FOR YOURSELF!

	Was	Now
IH Super Chief Moldboards - Part #462314R12	$62 25	$38.03
IH 463252R1 Plowshare - 14" full cut	9.06	7.00
IH 463253R1 Plowshare - 16" full cut	10.60	7.15
IH 59057C1 Landslide	7.34	6.44
IH 522342R2 Land Slides	11 60	7.04
IH 488266R1 Shins	8 95	7.85

WE HAVE LARGE QUANTITIES OF THESE PARTS IN STOCK
Similar Savings ON MANY OTHER PLOW PARTS! THESE ARE ORIGINAL, TOP QUALITY IH PARTS, NOT WILL FITS!
CALL NOW AND RESERVE YOUR ORDER!
THIS SALE WILL END DECEMBER 10, 1978

COME TO OUR RED POWER NIGHT
DECEMBER 10, 1978 — 7:00 P.M.

SEE - The introduction of the new "84" Series Utility Tractors. 1460 Axial-Flow Combine ON DISPLAY. See why Axial-Flow is the most revolutionary development in decades. Learn about 10% investment credit. See why now is the best time to take advantage of it!!

REFRESHMENTS WILL BE SERVED, OTHER EQUIPMENT ON DISPLAY

FALL SAVINGS

CALL STEVE OR JACK, WE WILL NOT BE UNDER SOLD ON ANY DEAL!

★ Interest Free on New AC Tractors til 3/1/79
★ Interest Free on Used Tractors til 3/1/79
★ Interest Free on New & Used Combines till 9/1/79

NEW EQUIPMENT

(1) Gleaner M2KS hydro (1) (2) Gleaner F2KS

USED EQUIPMENT

Ford 2000 Tractor
Allis Chalmers G
AC G w/hydraulics & Cultivator
AC CA Tractor
AC WD 45 Diesel
AC WD Gas
Ford 800
Ford 9N
IHC 10' Disc Harrow
MF 510D Combine
MF 410 Combine
Case 960 Combine
JD 55 Combine
Gleaner F Combine

ALLIS CHALMERS

TOWNE TRACTOR

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FARM EQUIPMENT

FARM EQUIPMENT

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★ NH MANURE SPREADERS
• Box & Tank Types
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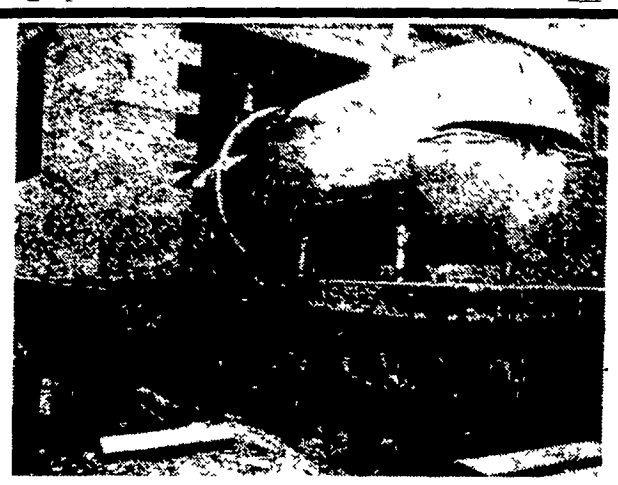

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400 gal. Craft 600 gal. Craft (Agway)

Electrical Service Since 1930
All Brands Serviced - Service On Coolers Since 1950
Licensed in Bulk Milk Coolers & Electrical License

FARM EQUIPMENT

USED EQUIP.

726 Uni-Husker
710 Combine with 11' grain head
JD MT Tractor
8 Used Manure Spreaders
F Gleaner w/13 ft. grain head & 330 corn head
G Gleaner Combine w/13 ft. grain head & 440 corn head
Late Model MF 300 Combine w/3-row cornhead & 10' grain
AC 160 Tractor
AC 190 Tractor
A Farmall Tractor with Cultivator & Plow
JD 38 Harvester with 2 row wide cornhead
Int. 101 Combine with 10' Grain head & 2 Row corn head
NI 2-row Picker with 8 roll husking bed

HYDROMAC SKID LOADERS

• 8C & 12C IN STOCK

NEW TRACTORS

AC 7000 with cab
AC 185
AC 5050
AC 5040
AC 5020

NEW EQUIPMENT

NI 299 Haybines
NI Manure Spreaders
NI Cutditioners
NI 709 Uni-Tractor w/717 Combine
767 Uni-Harvester with 763 corn head
M2 Combine

NEW IDEA PULL TYPE CORN PICKERS IN STOCK
•Single Row
•Wide Row
•Narrow Row

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SHARTLESVILLE FARM SERVICE

RD1, Hamburg, PA
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H. Daniel Wenger, Prop.

FARM EQUIPMENT

NEW IN STOCK

140 Bu. Manure Spreader w/engine-tailgate and Diaper
Hawk-Bilt Manure Spreaders
217 Bu. Kasten Manure Spreaders
Ezee-Flow Hay rake-ground driven
MC choppers and Rotary Scythes
Landoll Soil Master
Glencoe 5-shank soil saver
Horse and Tractor Drawn Chisel Plows
Horse and Tractor Drawn Disk Harrows
Vicon Disk Mowers
Manure Elevators
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ZOOK'S FARM STORE

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19344

FARM EQUIPMENT

PARTS BY THE THOUSANDS

Dismantling tractors & loaders, also RT loaders & dozers Cat D2 thru D9, 933, 955, 977, DW-15, 20, 21, IH TD-340 thru TD-25B, 175B, A C HD-4 thru HD-21, Oliver OC-3, AG, BG, DG, Mich 75 thru 180, J D Mt, 40, 420, 440, 1010, 2010, Hough HF, HM, H100

NEW & USED CHAINS & ROLLERS
TRACKS REBUILT — STEERING CLUTCHES

For Sale: Crawlers: D9, D8, D7, D6, HD6, HD16; Loaders: 977, 955, 951, Backhoes, Scrapers; Graders; Cranes; R.T. Loaders: 922, 944, 950, 966, 988, 992.

"If not listed, ask for it!"

Wanted: Crawlers & Loaders running or for parts.

ENGINES BY THE HUNDREDS:

Cat; A.C.; Int.; Case; Continental, Hercules; Buda; Cummins; Waukesha; Murphy; John Deere; G.M.; Pony Motors.

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R.D. #8348
Sinking Spring, Reading, PA 19608
215-678-1941

2 YEAR WARRANTY ON NEW IH TRACTORS
• Models 886 to 1586
• 4 Wh. Drive Models 4186 to 4586

HAY SPECIAL!
9 ft. MC Rotary Scythe
$3,400
(f.o.b. New Berlinville)

COMBINES

- IH 403 Combine, Gas, 4 Row Wide, 12 Ft. Platform
- IH 205 Combine, Gas, 2 Row Cornhead, 10' Platform - Like New
- IH 303 with 2 Row Cornhead & 10' Platform
- IH 503 Diesel Hydrostatic with 4 Row Cornhead and 13' Platform

NEW! IH 145 Auto. Reset 4 Bottom Roll Over Plow In Stock!

★★★

BUY FOR LESS THAN HALF OF NEW PRICE
White 2-105, low hrs.

NI 324 picker, 12 roll
NI 323 picker
NI 2 row 30" picker
McCormick 82 combine
David Brown 1200
Farmall 656
Farmall 560
JD 3020
MF 82 Combine
JD 720 diesel
Deutz 6006
Farmall A w/cultivator
JD 420
JD 430
MF 165
1973 Int. 664 diesel, fully equipped

ELMER GOCKLEY
Reinholds, RD 1
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CASE TRACTOR
SMART BUYER'S SALE
New Case 90 Series tractor intro means big price savings on current 70 Series inventory clean-out
Save $$ on 93 to 180 hp tractors
● "No-hour" units ● "Rental" units
Many with 12-speed Range Power Shift, roomy Case cab, air conditioning, deluxe swivel seats, plus many other features Great tractors Smart buyer's opportunity
Don't wait too long
See your Case Dealer today!
case

(New) Combines: Int. 1460 axial-flow - fully eq. w/2 heads on our lot (SOLD). Used J.D. 6600 Side Hill w/643 cornhead - 500 hrs. use, used Late Model Gleaner K w/cab, 12 ft. grain, K238 C.H. Gleaner K w/cab, 10 ft. grain, K240 corn head, M.F. 760 Combine w/6- row corn & 15 ft. grain. Int. 815 combine w/fire damage to engine, 744 cornhead & 13 ft. grain. New Idea 702 Diesel w/cab, 729A sheller & 4 row corn head. Gleaner K330 corn head . New J.D. 4640 w/air, quad range, New J.D. 4040 roll guard & Q.R. M.F. 1135 w/cab used 400 hrs., Farmall 1466 cab, air, duals. 1456 w/cab real nice, Cub 185 LoBoy, Ford 4500 D. Loader & backhoe. Case 830 C.K. diesel. Case 830 C.K. gas. (New) J.D. 4440 w/roll guard, quad range. J.D. 4630 w/cab, power shift. J.D. 4320 w/cab & air. 2 J.D. 4020D w/power shift. J.D. 4630 cab air power shift w/dual wheels. JD 4020 D w/dual whls. 1970 J.D. 3020 D, J.D. 2510 gas, J.D. 4320 w/rollguard, J.D. 4320 w/fenders, J.D. 2630 w/rollguard. (New) J.D. 4240 cab, power shift, Farmall 656 D. Cub Lowboy w/mower & blade. Farmall 826 w/½ cab no TA., nice. Leyland 384D as is for $2800. Farmall 656 Hyd. gas, 756 gas. (New & Used Coming in:) New Int. 1440 axial-flow combine fully eq. w/2 heads. Used MF 750 combine w/grain & 6 row cult. real sharp. (Tractors) (New) J.D. 4240 cab air Q.R. 4240 Cab air P.S. 2 Used 4430 w/-Q.R. Used Case 2670 four wheel drive w/3 pt. P.T.O. & dual whls. like new 1100 hrs. Ford 8000 w/cab & air & dual power - nice. Farmall 140 w/F.H. used 70 hrs. Case W 14 loader.

(New) Eq. at Discount Prices. Following are all (new) & reduced to sell: MF 1105 w/cab & multi-power list 23,200, my price 18,200 - only 2 left. Case 2670 - Four wheel drive fully eq. w/dual wheels, 3 pt., Int. 445 baler $3975. N.H. 479 haybines $4100. Gehl 1290 haybines $4195. Gehl 95 grinder mixer $3800. New Idea rake $1195. M.F. 33 grain drill $1775. J.D. 8350 grain drill $3375. J.D. 244 corn head $2575. (All above are new machines). Used N.I. 1 row picker, N.I. 323 for $1900. N.I. 323 for $1675. N.I. #10 for $875. N.I. #7 for $500. Used tractors: Farmalls 886, 666D. 756 gas, 4 656 hyd. gas. Farmall 756 Hi clear tractor, Int. 454 utility used 500 hrs. Just traded J D. 4020D. w/turbo & 18x38 tires. Farmall 1066 w/rollguard & duals. M.F. 175 gas. Ford 7000D. Ford 8000 w/cab. J.D. 8630 w/18x38 duals & J.D. #330 (30 ft. hyd. flood disk). J.D. 7700D. w/cab grain & corn head. Gleaner F 2 diesel w/cab & air, grain, & corn head like new. N.I. 2 row 30" picker w/grinder. 1976 Chevy w/3200 miles w/14 ft. flat like new. JD 300 Picker w/12 roll bed & 244 corn head. Grove Forage Wagon real nice.) N.I. 30" 2-row picker real nice. Int. 574 D w/1850 loader. Oliver 1850 D. W.F. Priced to sell at $4900. 1970 J.D. 4020 /diff. lock & dual hyd., J.D. 3010 gas, Farmall 1566 w/roll guard & duals, 656 Hydro. D, Int. 4166 four whl. drive w/cab & 3 point, (New) J.D. 444 corn heads, (New) J.D. 443 corn head. Farmall 1086 cab, air, fully eq., used 83 hrs., new cond. A.C. XT190 w/cab (SOLD), A.C. 180 w/cab, N.I. 279 Cut- ditioner, used 50 acres, MF 1150 w/cab (SOLD), Oliver 1650 w/over & under shift. (New) 325 N.I. 2 row N. w/super sheller, Case 400 bu. corn dryer. Case 660 combine w/cab & 10 ft. grain. White 6 row 30" No til, liquid, Inst. monitor, fully eq. Farmall (burned) 766. (New) White 2-105 for $16,200. JD 3020 tri- diesel. Long 900 diesel like new, David Brown 1200D. Nice Farmall M, New Gleaner 638 corn head for M or L, list price $10,600 , our price $7500. (New) J.D. 7000 six row planter, Farmall MTA, M.F. 9 ft. haybine, N.H. 469 Haybine, (Used) Glencoe SS7 Soil Saver, 71 Ford pickup. J.D. 4020D for $7200. J.D. BWA 16' Wing Disk, J.D. 14 ft. Plowing Disk. Int. 315 - 13' roller Harrow.

HARVESTORS. New Holland 770 w/2 row narrow, New Holland 770 w/2 row wide & pick up. N.H. S717 w/2 row head, Fox Super 2000 w/2 row narrow & elec. sharpener. J.D. 38 Chopper w/2 row. Int. 350 w/1- row & pickup. Kools recutter blower, Int. 56 blower.

JOHN DEERE (New) 4440, power shift. (New) 4440 cab, air, Quad range. (New) 4430 cab air. (New) 4640 power shift fully equipped. (New) 4230 Quad Range w/rollguard, 730D, 720D, (Used) 4230's, 4620 w/cab, (2) 1967 & 1968 4020's, 3020, 2510, 5020 tractor puller. J.D. 630.

FARMALLS (Brand New) 986 cab & air, (New) 966 w/cab. (Used) 1066 gear, 966 w/cab, 766, 1456, 756, 806, 706, 1206 w/four whl. drive. 656 hydrostatic gas, Int. TD 6 w/blade. MTA, 766 gas - real sharp.

CASE (Used) 970 power shift w/roll guard, Case 970 w/8 speed, White (New) 2-85, Oliver 1855, 2050, 1850, 1800, 1750, 1600. 2 Used White 2-105 both (SOLD). 2 New Holland 4 row corn heads (SOLD). Cat 955 D Crawler Loader, Farmall M's from $950. on up.

MASSEY FERGUSON 1130, 1100, 1080 diesel, 1135 w/cab, 175. A.C. 7040 w/cab PS, used 500 hrs., 200 w/cab w/1000 hrs., 185D. XT190 w/cab, 180 w/cab.

COMBINES - M.F. 300 w/cab air, grain head & - three row 30" cornhead used 80 acres - like new, 1975 J.D. 4400 diesel, 1973 J.D. 4400 diesel w/443 corn head . J.D. 105 corn Special D w- cab & 2 heads, 95, 45, 40 Square backs. Int. 915D fully equip., w/grain & 744 corn head, $16,500. Massey Ferguson 510 D Hydrostatic w/quick tach heads, 510 D w/cab,-air, gear drive, quick tach grain & 44 corn head $14,500.00. M.F. 300, 82 w/cab. N.I. 702 Uni tractors w/combines & shellers, 729 A and 729 Uni shellers w-3 & 4 row 30" and 40" heads. Case 1660 w/cab, grain & 4 row corn head, N.I. 702 Uni w/cab, chopper 3 row 30" corn head. N.I. Uni #726 husking bed.

We Do Have - CORN HEADS - John Deere 443, 643, 444, 343 (SOLD), 244, 435, 434, 335, 235, 234, Massey Ferguson 44, 63, 43, 24, 222, 422, Gleaner F335, A330, F430, CII 440, CII 430, Int. 763 six row, 227, 3 row J.D. model 313 for 55 combine (like new). Case 402. G 430, MF 321, 421. J.D. 335 for 55, 435N for 95. New Int. 863, used 863, 844. N.I. 3- row 30", Case 3 row 30". New J.D. 653 Bean head. 40 corn heads to pick from on our lot, more corn heads coming in daily.

BALERS - New Holland 275 w/thrower (sharp), N.H. 275 w/wagon hitch. New Int. 445 baler, Used Int. 440 w/thrower.

CORN PICKERS - New Idea 2 row pull picker for $2700. , (2)(Used) narrow row w/12 roll beds, 2 nice (Used) 2 row wide w-12 roll beds, shellers and Super shellers, 3 row 30" pull picker with Super sheller, 319, 305 mounted w-12 roll bed & shellers. Super shellers for pull pickers, shellers for mounted pickers.

HAYBINES - (New) N.H. 479, (New) N.I. 272 Cut-Ditioner $2900, (New) Gehl 1290.

GRAIN DRILLS - (New) J.D. 8350, (New) M.F. model 33 seventeen disk.

CORN PLANTERS - 2 new J.D. 4 row 7000 plateless planters w/inst., J.D. 6 row 7000 w/inst. (Used) Int. 4 row 400 Cyclo (nice), Int. 56 4 row w/inst.

PLOWS - New White 508 - 5-18 automatic reset. J.D. and Int. 4,5,6,7 trip and resets. Oliver 5,6,7 trip and Hydraulic reset, chisel plows 3 point 10-13 ft.

TRACTORS & EQUIPMENT - Farmalls - 1466 cab & air, 1466 cab & heat, 2- 766's, 706D, 560D, Ford 8600 w/dual power, (New) Glencoe SS7-9 ft. Soil Saver $4150.00, (New) Glencoe SS9-11 ft. Soil Saver $4500.00, White 24 ft. hyd. fold wing disk, (Used) J.D. 16 ft. plowing disk . Oliver 1950T w/over & under shift, MF 300 Combine w/cab, grain & 2 row corn head. (New) Int. #350 - 11½ ft. Disk, (New) Pittsburg 11 ft. Disk, Brady 9 ft. Pull Chisel Plow. Int. 7- 8X auto. reset on land hitch, White 18 ft. wing disk, Kawanee 22 ft. wing disk. **Planters** - (Used) J.D. 1440 4 row no til plateless, 494A. White 6 row no-til, liquid, air, Inst., monitor, fully eq. **Loaders** - J.D. 158, (2) 1972 J.D. 4020, 1970 4020, Case 930. Farmall M w/power steering, Farmall M w/12 volt system. Int. 6X auto. reset plows.

Combines - Gleaner F w/2 heads. **Cabs for J.D. & Int. tractors.** Farmall 1066 w/20:8x38 tires, J.D. 4010D needs motor work, (Used) J.D. 4430 cab air Quad Range, **Trucks** - 1974 Ford Pickup real nice, 1971 Ford ¾ ton, 1976 Chev. Roll back (SOLD), 1971 Int. Roll back, 1967 Int. diesel Roll back $4,000. 1977 Delta 44 ft. Combine trailer, Farmall 826, Blade for Int. TD6 crawler. (New) 11½ ft. J.D. 1630 plowing disc, $4500.00. (New) 10 ft. Hutch Master plowing disks. J.D. 105 diesel combine w/grain & 4 row head $7,000. J.D. 243 Snapper corn head. M.F. 1100 diesel. 1970 J.D. 4020 w/cab, Int. 234 picker w/bed & sheller attach. Int. 82 pull type, (2) N.I. 3 row pickers w/shellers, Brillion 15 ft. field Cultivator.

OLIVER 1850 w/over & under shift and duals, Disk harrows - Brillion 13 ft. & 15 ft. cultimulchers, (New) Kill Bros. gravity bins. New Holland 717 pick up heads, pick up heads for Int. 55, 550, 555, 650, also Int. 16, 350, J.D. 38, 34 pick ups. (New) Kill Bros. 8 ton running gears.

Fox pickup head, like new. Fox 3-row 30" corn head, Direct cut head JD 3800 & 38.

For your needs call:
STITZEL FARM EQ. INC.
East Windsor St.
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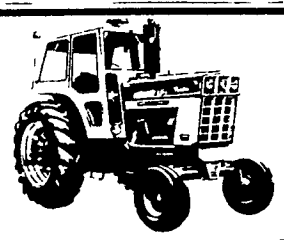
19526
Phone bus. 215-562-8377
home 215-562-7451

FARM EQUIPMENT FARM EQUIPMENT



USED EQUIPMENT

Coming Next Week.....
Farmall 826 Hydrostatic Diesel
IHC 1066
Case 770 Diesel, Power Shift
David Brown 1212 Diesel

John Deere 4020 Tractor, PS, Clean
Farmall 1456 Tractor w/cab
John Deere 4010 Gas, cheap
Case 1175 Tractor
1976 MF 1155 Tractor, 500 hrs., cab, air & duals
AC 185 Diesel with year round Cab
1972 MF 510 Gas Combine - Real Clean
MF 300 quick tach combine w/corn head and grain platform, real nice
IH 615 Combine w/2 heads
Gleaner K Combine
NI Wide row pull picker w/8 roll bed

USED PARTS FOR SALE
504 Farmall w/3 pt., slightly bu(SOLD)
1066 Hydro Farmall, badly burnt
Farmall 460 Diesel
Cummings 335 engine for parts
Cylinder Heads for 318 Detroit

Remember...INVESTMENT CREDIT is good on our equipment too!
Most of our Tractors Sold Thru Winter Carry a 100% Money Back Guarantee Thru May 15, 1979.

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SPECIAL USED EQUIPMENT
IH 234 Corn Harvester w/sheller attach. for 656, $2,650

NEW EQUIPMENT SPECIAL
IH 715 D hydro w/13' flexible plat. & 844 corn head, $37,400
Waiver of Finance until Sept. 1, 1979.

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IH F-966 D, 2000 hrs	12,800
IH Super C w/2 pt	1,150
IH F-706 Diesel w/3 pt	7,500
IH F-350 G	2,500
IH F-966 D	12,500
IH F-200 w/2 pt	as is 750
IH F-350 D w/2 pt. overhauled	2,900

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IH 101 w/10' platform	1,800
IH 76 Combine pull 7 ft (very good)	900
JD 40 Combine SP 8 ft. (fair)	2,000
NI 705 D Uni-System w/717 combine, 731 4-row corn head, 713 13' plat	23,000
NI 738 4-row narrow head	5,500
NI 760 Forage Harv. w/3-row narrow row head	3,400

MISCELLANEOUS EQUIPMENT

Gehl 50 grinder mixer	As is 750
IH 227 corn head, 2-row	650
Used IH #7 flail chopper	1,250
NH 331 spreader	500
IH 125 spreader	250
Hawk Bilt model 205	1,150
Starline spreader, left hand	850
IH 155 Spreader	coming in

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360	$4,224.40
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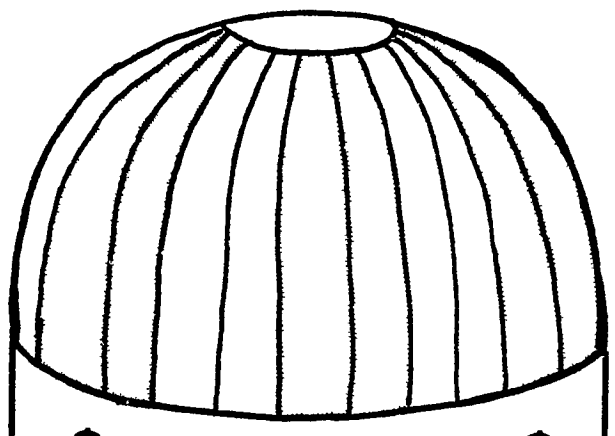

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Special Holstein heifers, Virginian, her dam 2 yr. old 571f, VG Apollo 305d 26,231m 1102f, and one with 3 records over 20,000m terminal sister to VT Apollo. Fancy Gay Ideal, & number of others from good sires, few grade heifers, have lots of size and type. 215-286-9038 after 7 p.m.

For Sale - Livestock trailer, 24 ft. long 7½ ft. wide, excellent condition. 302-284-9327.

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For Sale - Two black polled Chianina-Angus club calves, approximate weight 450 lbs., price $450 ea. 717-944-3500 after 6 P.M.

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Three bred Polled Hereford cows with calves by side. 717-869-1317.

For Sale - Bred sows & gilts due beginning of Dec. & middle of Jan. 215-926-5280.

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For Sale - 5 registered Yorkshire gilts ready to breed $150 each. 301-778-0368.

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For Sale - Quiet Sorrel stud horse, works anywhere, $750, can deliver in Lancaster Co. Jonas M. Beiler, RD 1, Littlestown, PA 17340.

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Lancaster, Pa.
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Team 4 yr. old roan Belgian geldings, $4500. Pair Sorrel mules-green broke. 3 yrs. old, $2000. 814-885-8364.

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For Sale - Registered Duroc & Landrace boars, breeding age, ready for service. Ph. 717-741-2170.

For Sale - 3 Registered Holstein heifers, one due very soon, 2 due in Dec., good pedigrees. Clarence Martin, Sinking Spring, PA 215-678-7813.

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LIVESTOCK & SUPPLIES

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Wanted
Bred Holstein Heifers
due now-December
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Wanted - Herd of Holstein cows to be moved soon. H. Haymen, Box 145, Codorus, Pa. 17311.

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POULTRY & SUPPLIES

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New Hog Slats - 24"x96", 7" top, approx. $2.30 per square foot. 717-733-8193.

For Sale - Stock tanks, medicine fountains, Trojan hog waterers, heated waterers, AgStar rotary hog feeders; 40-60-80 bu. round feeders; replacement feeder bottoms; steel pipe gates; hog & cattle panels; MagicRay flameless gas pig heaters, button type hog ear tags, discount on hog feed medications; Hot-Shot repair service & parts. Zimmerman Animal Health Supply, 717-733-4466.

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For Sale - 7'x8'x8' walk-in cooler with compressor; (2) Jamesway Big Boy litter carriers w/180' of track; electric plucking machine; approx. 24 84" natural gas brooders; feeders; waterers; and assorted poultry farm equipment. 814-628-2578.

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FINAL REPORT

21st PENNSYLVANIA RANDOM SAMPLE TEST

Ending September 4, 1978
Cage Test — 500 Days of Age

	HISEX	SHAVER 288	DEKALB XL	BABCOCK B-300V
Eggs/Hen Housed	254.3	245.3	230.3	234.1
Egg Value/H.H.	$11.87	$11.74	$10.93	$11.02
Lbs. of Feed/24 oz. doz.	3.86	3.77	4.13	4.04
Meat Value/Hen Sold	.345	.362	.391	.353
Income over feed and chick cost	4.99	4.90	4.09	4.24

Sales - Call 717-626-8257 or 717-569-9454

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Route 30 West at the Centerville Exit

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For Sale - Soybean stubble in 45 lb. bales $1, Alfalfa and mixed hay. 215-255-4239.

Wanted - 25 bu. Black Wilson soybeans, Cecil Co. 301-658 6423.

Wanted - Hay - Good quality timothy alfalfa or straw needed. Will pickup at your barn. 703-777-5134 Loudoun Co.

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Wanted - Soybeans, Lancaster Co. 717-786-3435.

For Sale Kuhl egg washer, F[illegible]matic candler and [illegible], 15 case per hr, a[illegible]matic chain type feeder w[illegible] trough Franklin Co. 7[illegible] 9-4756

For Sale - Good quality a[illegible] a hay at the barn $85 t[illegible] 3 ton loads delivered w[illegible] 50 miles for an additional $9 per ton Located near Lancaster 717-626-2866

FEED & SEED

Interested in early planting quality soybeans for human consumption, Variety cutler preferred. Contact Moses Chu, POB 202, Paradise, PA 17562. Ph: 717-687-8751.

For Sale High Moisture corn. 717-547-8062. ISAAC STOLTZFUS PLEASE CALL US.

For Sale - Old ear corn $2.84 per bu. New ear corn $2.15 per bu. 717-529-6239.

Top quality oats and all types of hay and straw, also mulch hay. Call 201-735-8389 after 8 p.m. or before 7 a.m.

QUALITY HAY
1st, 2nd & 3rd cutting
Also straw
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Receiving Daily
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FEED & SEED

WANTED
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SHELLED CORN
SPRING VALLEY FARMS
717-626-6014

FEED & SEED

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1 - MC 600E continuous flow dryer, 3 phase electric motor drive, with wet tank and augers, excellent condition.
1 - MC 400E continuous flow PTO drive dryer.

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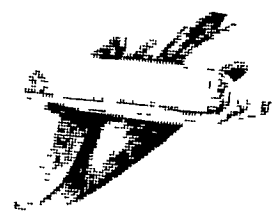

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- On the Ear or As Shelled Weight

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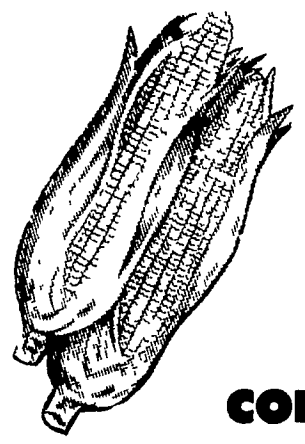

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430,000 bu. capacity.
Fast unloading, digital printout scales.

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Delivered To Farm

Excellent Economical Bedding

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Shelled corn and soybeans
Dealer in small grains,
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CORN

Prices quoted are F.O.B. your farm.

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Dealer in Small Grains

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House Foundations
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"CRANE SERVICE"
PROMPT SERVICE
COMPLETE
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ATTENTION FARMERS

Down & Crippled Cattle

Removal Service 7 Days A Week.
Salvage Return When Possible.

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WE MAKE:

Bologna, Ring Bologna, Pork Roll,
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USDA Inspected Corn Fed Beef, sides
and quarters, cut, wrapped and quick
frozen to your specifications.

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Wanted welding or assembly work for own shop. 717-733-0667 after 6 p.m.

Silo Repairs

* Tear Down
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* Replaster
* Roofs Installed
* New & Used Extensions
* Distributors & Pipes
* Jamesway Unloaders
* Barn Equipment

Dave Detweiler

RD 2, Newville, PA
717-776-7533

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Locust Posts.
1 x 6 Fence Boards.
Oak, Poplar, Walnut and Wild Cherry Lumber
For Sale at all Times.

FREY BROS. MFG.

Quarryville, PA
Phone: 717-786-2146

Custom Poultry dressing. Lancaster County. Ph: 717-626-6569.

HELP WANTED

Help Wanted - Young Amish couple to work on dairy and crop farm, good wages, nice living quarters in Lancaster Co. Write Box 366 M-90 c/o Lancaster Farming, Lititz, PA 17543.

Help Wanted - Parts Manager experienced 5 yrs. with industrial and/or agricultural parts, salary negotiable. 201-462-8356.

SERVICES OFFERED

INSULATION - LOAFING SHEDS - DAIRY BARN SPRAYED ON URETHANE FOAM. Ideal for eliminating condensation. Perfect for irregular surfaces. For free estimate call Conestoga Chemicals & Plastics, Inc. 397-3724. After 5 P.M., call 872-2233.

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Custom Hoof Trimming with tilt table. Sam Wylie, Octorara Farm, Nottingham, Pa. 215-932-8923.

Custom corn shelling on your farm. Will put shelled corn in your bin. You use ground cobs for bedding.
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HELP WANTED

The possible dream - $40,000 per year, your own business. Mondays only 717-859-3348.

Mechanic needed for Berks County farm machinery dealership. Experience preferred. Apply in person at Zimmerman's Farm Service, Bethel, Pa. Also openings for other positions.

Man for dairy & general farm work, good pay plus house & privileges, experience needed. Starting March or April. 717-786-2839.

WORKING HERDSMAN

Person to care for health of 100 cow registered Holstein herd. Must be experienced in milking feeding, calf raising and breeding, only minimal field work required. Farm located in SE PA.

Good salary, home, vacation and other benefits.

Immediate Opening.

Send resume and references to
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FOR WASHINGTON CO., MD AND FRANKLIN CO., PA

Evidence is
Asgrow seed corn had two hybrid in the top four in Washington Co. Randomized corn tests at the Maryland Correctional Institute, Hagerstown, Md.

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UNBELIEVABLE PRICES

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BRAND NEW 1979 DODGE W-200 ¾ TON FOUR WHEEL DRIVE Sweptline pickup Medium blue metallic with blue interior trim 318 V8 automatic power steering & brakes quad headlamps mud & snow tires 8400 lb GVW package 8 foot bed

$6770

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BRAND NEW 1979 DODGE OMNI 4 door hatchback Vinyl bucket seats custom trim inside & out 4 speed manual transmission vinyl body side molding white sidewall radials AM radio

$4301

Stock No 0034
BRAND NEW 1979 DODGE W 150, 131 wheelbase Four Wheel Drive Sweptline pickup Red economical 6 cylinder engine with 3 speed manual transmission red interior trim quad rectangular headlights power steering & brakes 7 00x15D 8 ply mud & snow tires

$6074

Stock No 1014
BRAND NEW 1979 DODGE ASPEN 2 door coupe Pewter gray metallic cloth & vinyl interior 6 automatic AM radio power steering white sidewall tires

$4545

Stock No 0004
BRAND NEW 1979 DODGE D-100 ½ ton pickup 115 wheelb se Sweptline Light green metallic Econ mical 6 cylinder engine and 3 speed manual transmission power steering power disc brakes upper body side molding quad rec tangular headlights and glass belted radial tires

$4699

Stock No 2048
BRAND NEW 1978 DODGE DIPLOMAT 2 door Coupe Eggshell wh te split back bench seat with center arm rest V 8 tinted glass air condi tioning AM FM radio deluxe wipers light package under coated laundau vinyl roof white sidewall radial tires

$5713

Stock No 0170
BRAND NEW 1979 DODGE W-200 SNO-FITER. 8' bed 360 automatic increased cooling capacity heavy duty alternator and battery snow plow package power steering & brakes quad headlamps mud & snow tires Light green metallic

$8299

Stock No 7501
BRAND NEW 1979 DODGE OMNI 4 door hatchback Chianti red cloth & vinyl bucket seats premium in terior & exterior packages 4 speed transmission remote control mir rors luggage rack, white sidewall radial tires FRONT WHEEL DRIVE

$4664

Stock No 7506
BRAND NEW 1979 DODGE OMNI 4 door hatchback Chianti red custom interior and exterior automatic vinyl side moldings AM radio white sidewall radial tires

$4581

Stock No 5043
BRAND NEW 1978 DODGE MONACO 2 door hardtop Eggshell white cloth & vinyl bench seat economical 6 automatic AM radio power steer ing & brakes undercoating, deluxe wheel covers white sidewall tires

$4360

Stock No 1009
BRAND NEW 1979 DODGE ASPEN 4 door sedan Cadet blue metallic cloth & vinyl bench seat 6 automatic vinyl side molding custom trim inside & out AM radio power steering white sidewalls

$4948

Stock No 1114
BRAND NEW 1978 DODGE ASPEN 2 door coupe 2 tone red metallic vinyl buckets AM FM radio power steering & brakes air conditioning

$5066

Stock No 2022
BRAND NEW 1978 DODGE DIPLOMAT 4 door sedan Charcoal metallic 318 V 8 automatic Am radio vinyl body side moldings silver padded vinyl roof white sidewall radial tires

$4990

Stock No 5002
BRAND NEW 1979 DODGE - ST REGIS 4 DOOR PILLARED HARD TOP Dodge s all new Luxury Road Car 2 tone blue individually adjustable vinyl bench seats V 8 automatic air conditioning rear window defroster automatic speed control AM FM radio

$7344

Stock No 7520
BRAND NEW 1979 DODGE OMNI 4 door hatchback Finished in flame orange with vinyl bucket seats and fold down rear seat Automatic teamed with 1 7 litre 4 cylinder engine radio conventional size spare tire white sidewall radial tires

$4446

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BRAND NEW 1979 DODGE W 150 FOUR WHEEL DRIVE pickup 8 bed 225 slant six engine manual transmission quad headlamps power steer ing & brakes mud & snow tires Red

$6170

$8299

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Stock No 5056
BRAND NEW 1978 DODGE MONACO 4 door sedan Jazemine yellow split back vinyl bench seat with folding center arm rest V 8 automatic tinted glass air AM FM radio power steering vinyl roof white sidewalls

$5241

Stock No 7001
BRAND NEW 1979 DODGE COLT 2 door hatchback light tan buckets 4 speed manual transmission 1400cc engine rear window defroster AM radio white sidewall radials

$4189

Stock No 2001
BRAND NEW 1979 DODGE DIPLOMAT SALON 4 door sedan Regent red metallic cloth & vinyl buckets 318 V 8 automatic tinted glass air AM FM radio, rear window defrost

$6679

Stock No 1004
BRAND NEW 1979 DODGE ASPEN 4 door wagon Formal black 60-40 split bench, reclining cloth seat 6 automatic AM radio power steer ing air deflector Premium wheel covers white sidewall radial tires

$5623

Stock No 1128
BRAND NEW 1978 DODGE ASPEN 4 door sedan Mocha tan air condi tioning, 6 automatic power steer ing & brakes AM radio inside day nite mirror deluxe wheel covers D78 x 14 tires

$4604

Stock No 6001
BRAND NEW 1979 DODGE MAGNUM XE 2 door hardtop Chianti red with leather buckets with folding center arm rest V 8 automatic tinted glass air rear window defrost digital clock AM FM radio

$6924

Stock No 3001
BRAND NEW 1979 DODGE B-200 127 wheelbase Sportsman Maxi wagon Light green metallic 360 automatic tinted glass air 8 passenger seating bright finish front & rear bumpers AM radio quad headlamps power steering & brakes custom Sportsman package steel belted radial white sidewall tires

$8649

Stock No 7079
BRAND NEW 1978 DODGE COLT 2 seat wagon Canyon red vinyl buckets 4 speed manual transmis sion 1600cc engine AM radio white sidewall radials

$4414

Stock No 7005
BRAND NEW 1979 DODGE COLT 2 door hatchback with all new Twin Stick Dual Range manual transmis sion for superior gas mileage Spit fire orange with black vinyl buckets 1400cc engine AM radio, vinyl side moldings wheel trim rings white sidewall radials

$4667

Stock No 2010
BRAND NEW 1979 DODGE DIPLOMAT 2 door coupe Dove gray cloth & vinyl bench seat V 8 automatic power steering & brakes AM radio, white sidewall radial tires

$5101

Stock No 7126
BRAND NEW 1978 DODGE CHALLENGER 2 door sport coupe Spitfire orange cashmere plaid cloth buckets 5 speed manual transmission 1600cc engine AM FM radio vinyl roof radial tires lots of extras

$5479

Stock No 1172
BRAND NEW 1978 DODGE ASPEN 4 door wagon Eggshell white with wood grain exterior trim 6 cylinder automatic power steer ing tinted glass air cond tioning white sidewalls

$5307

Stock No 6017
BRAND NEW 1978 DODGE MAGNUM 2 door hardtop Eggshell white vinyl bucket seats V 8 automatic power steering & brakes air condi tioning AM FM radio tan landau roof

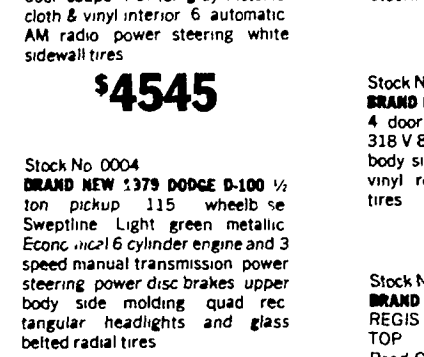
$5953

Stock No 0028
BRAND NEW 1979 DODGE B-200 VAN 127 wheelbase White 318 automatic driver & passenger buckets quad headlamps power steering & brakes

$6330

Stock No 7014
BRAND NEW 1979 DODGE SO SPORT PICKUP Dodge s All new 109 wheelbase efficiency size pickup Spitfire orange & black vinyl bench seat 5 speed manual transmission 2600cc engine dual racing mir rors roomy pickup box with pay load capacity of 1400 lbs 185SR x 14 blackwall radial tires

$5731



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detroit connection

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For Sale - 35 ft. Van & 275 gal. fuel tank. 717-354-7988.

For Sale - 1964 Corvair with 66 engine and many extra parts, in good condition, $475 or best offer. Call 717-273-6309 after 7 p.m.

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For Sale - 1970 98 Oldsmobile, Call 7-9 p.m. 717-786-7229.

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Large Modern Dairy seeks person looking for permanent position, must be experienced in and out. Good pay plus benefits. Ph: 215-827-7687 between 8 a.m. & 4 p.m. 215-827-9384 after 6 p.m.

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Wanted - Reliable helper on beef & swine farm, housing available. Ph: 717-949-2363 after 7 P.M.

Experienced dairyman for herd of 65 cows, some field work, family man preferred, house furnished, call days 814-355-0456, after 7, 814-359-3147.

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Experienced with field crops and machinery, take care of small feed lot, no milking, good steady position, good salary, all insurances, nice 3 bedroom house. Write Box 366 M-92 c/o Lancaster Farming, Lititz, PA 17543 or call 215-855-4741.

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For 80 cow milking herd in Chester Co Good wages, nice house, insurance, plus other benefits, vacation & regular days off
Write to P.O. Box 366 J-56
c/o Lancaster Farming
Lititz, Pa. 17543

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Write
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Lititz, Pa. 17543

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Established company (over 29 years) is seeking several mature, sincere people to enter career oriented training program. We are looking for mature individuals with an agriculture background who are interested in sales in your local area.

If you are qualified, your training will be complete and ongoing, initially in the class room and then in the field

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Tel: 607-565-2805

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Wanted - Person to learn butchering of disabled animals. Ph. 215-255-4522, 255-4311 or 255-4521.

EXCELLENT INCOME OPPORTUNITY. Full/part-time. Own your business. Set your own schedule. (215) 269-7717.

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Family man wishes to rent farm house with access to buildings. Would consider working farm. 717-665-6737.

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AMS/OIL the quiet leader in Syn Lub. needs dealers, Part-time & full-time, no investment. 717-872-7324.

Gutwein seed corn dealers wanted in selected areas. Free Gutwein jacket and cap if you qualify. Call Harold J. Dietrich, 717-933-4940, for details.

Contractors available to erect grain bin systems for farmers or distributors. Ph. 717-933-5358 or 717-334-7947.

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For Sale - 1970 Diamond Rio Cabover w/20' Wood livestock body in excellent condition, 25,000 miles on new engine, 4 speed transmission, 2 speed rear. Ph: 717-529-2378 after 7 p.m.

For Sale - 1972 F-750, mint condition, air brakes, 9000 lb. front axle, 18,500 rear, 10:00-20 rubber, 175" W.B. Ph. 717-743-5772.

Good Selection of Used Cab Over & Conv. Trucks; Tri Axle & Tandem & Single Axle Dumps, 16 & 18 ft. Grain Tks. Cab & Chassis; 40 ft. Reefers, Flats & Lowboys, DUMP Trailers; Curry Supply Co., Curryville, Penna.

For Sale - Mack single axle tractor with 22 ft. crane $3500, 35 ft. trailmobile flat trailer $2250, will sell together $5500. 215-683-8653.

For Sale - 1966 F-600 Ford, 14' contractors, dump body, double action tailgate with 3' sides, excellent condition, best offer. Schuylkill Co. Ph. 717-739-4852.

For Sale - 1974 Dodge 1 ton flatbed with 2' removable solid sides, A title, low mileage, PS, PB, V-8, radio, like new, new tires, best offer. Schuylkill Co. Ph. 717-739-4852.

For Sale - 2 axle lime trailer, wagon type, 4 cylinder Wisconsin power unit, hydraulic auger lift, $3500. 717-569-3296 between 7:30 A.M. & 4:30 P.M.

For Sale - 1977 Ford super cab XLT Ranger ¾ ton pickup, V-8, auto., loaded, one owner. 717-442-4279.

For Sale - 1969 Parker 26 ft. aluminum dump trailer, excellent condition $7500. 301-778-0368.

TRUCKS

For Sale - 1971 Chevy cab over, Chassis and cab, will accommodate 22 foot body Y tag, 30,000 gross wt., Detroit diesel, new tires, 5 & 2 trans., $3500. Call 717-889-5572. Robert McBlain, R.D. 1, Zion Grove, Pa. 17985.

For Sale - 1975 Toyota long bed pickup truck, 4 speed transmission, rear step bumper, good condition. 215-683-6260.

TRUCKS

For Sale - 1959 GMC tandem axle twin screw, new engine, 14' body, $2200.00. Phone 301-829-0271.

For Sale - 35' aluminum grain trailers, 40' Norwin flat trailer, 42' Wilson aluminum pot belly livestock, 65 GMC cab over, twin screw, 238 diesel 910 trans.; tandem axle Ford truck with aerial ladder, 64 Diamond T tractor. Keens 717-626-5420.

TRUCKS

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For Sale - Diamond Reo tractor, twin screw, 238 Detroit engine, 13 speed transmision, good condition. Price $4000. Ph. 717-532-9271 or 532-6257.

TRUCKS

For Sale - 1968 International dump truck with snowplow, CO-1600. Ph. 717-665-9512.

For Sale - 1970 Chevy C-50 farm truck, flat bed with racks, excellent condition $2195. 301-838-1470 or 717-456-7497.

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For Sale - AKC Registered Sant Bernard puppies, 5 weeks old, nice markings. 717-665-3137.

PETS

For Sale - AKC Registered German Shepherd puppies, Apply - Aaron E. Allgyer, Rt. 1, Gordonville, PA or 717-768-8135.

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- **'79 Cheyenne Blazer,** Loaded - **$10,400**
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- **'77 Ford ¾ Ton Pickup,** V8, 4 Speed, PS, PB, AM-FM **$7495**
- **'77 Ford Step Side Shortbed,** V8, Auto , PS, PB, AM-FM Air Cond **$7495**
- **'77 Blazer,** V8, Auto , PS PB, Air Cond , Tilt Wheel, Cruise Control, Cheyenne, 9 000 Miles **$8695**
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- **'76 Ram Charger,** V8, Auto PS, PB, Air Cond **$6495**
- **'76 Toyota Landcruiser,** 6 Cyl , 4 Speed AM FM Radio **$5995**
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- **'76 Ford 150 Pickup,** V8 Auto PS PB Air Cond , AM FM Ranger Model - **$6795**
- **'76 GMC Jimmy,** V8 Auto , PS PB AC **$6495**
- **'76 Jeep ½ Ton Pickup,** With Cap, V8 Auto PS PB Air Cond Radio **$6495**
- **'76 Chevy Bonanza ½ Ton Pickup,** V8, Auto PS PB, Air Cond , Radio **$6795**
- **'76 Chevy ½ Ton Pickup,** Scottsdale V8 Auto , PS, PB Air Cond , Radio **$6795**
- **'75 Scout,** V8 Auto , PS, PB, Air Cond , Radio **$5495**
- **'75 Chevy ½ Ton Pickup,** V8, 4 Speed, PS, PB - **$5495.**
- **'75 Jeep Wagoneer,** V8, Auto PS, PB, Air Cond , Radio **$5995**
- **'74 Ford ½ Ton Pickup,** V8, 4 Speed, PS, Radio, 36,000 Miles - **$5295.**
- **'74 GMC Suburban,** V8, Auto , PS, PB, AC, AM Radio - **$6495**
- **'74 Chevy ½ Ton Pickup,** with Cab, V8, Auto, PS, PB, AM-FM - **$5195.**
- **'72 Blazer,** V8, Auto , PS, PB, Radio - **$4695**

TRUCKS

- **'78 El Camino,** V8, Auto , PS, PB, Air Cond , Power Windows, Radio - **$5495**
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- **'77 Ford F-150,** V8, Auto , PS, PB, Radio, Dual Gas Tanks **$4895**
- **'77 Ford Ranger 150,** Loaded **$5795**
- **'76 Dodge ½ Ton,** 6 Cyl , Auto , PS **$3695**
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- **'76 Chevy Camper Special,** 1 Ton Pickup, V8, Auto , PS, PB Air Cond , AM FM Radio, Dual Wheels **$6195**
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- **'75 GMC Crew Cab,** Morysville Body, V8, 4 Speed, PS, PB, Radio **$5495**
- **'74 Chevy ¾ Ton Pickup,** V8, Auto , PS PB, AC AM FM Radio **$3895**
- **'74 Ford ½ Ton Pickup,** V8 Auto , PS Radio Ranger Model **$3595**
- **'73 Ford Pickup,** 302 V8, 3 Speed, AM Radio 43,000 Miles **$2895**
- **'73 Toyota Long Bed Pickup,** 4 Cyl , Auto Radio - **$2595.**
- **'73 Chevy Short Bed Pickup,** 6 Cyl , St Shift, 36,000 Miles **$3095**
- **'72 Chevy Cab & Chassis,** V8, 4 Speed, 2 Speed Rear 24,000 lb GVW 167" Wheel Base **$3195**
- **'67 El Camino,** V8, Auto , PS, Like New - **$2495.**

'67 FORD F-600 DUMP TRUCK
- 24,000 GVW, 300 CID, 6 cyl., 4 Speed, 2 Speed Rear, New Tires, 12' Body..... **$3900**

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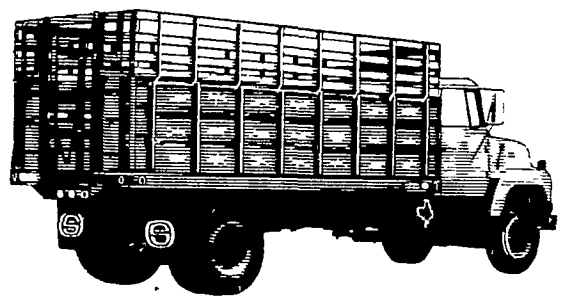
FUEL ECONOMY SPECIALS
1977 4 wheel drive club cab, 25,000 miles
1976 w/200 4 wheel drive pickup, 28,000 miles
New 1978 ½ ton pickup, diesel
1979 4 whl. Dr. pickups in stock
(Uncle) (Fat) (Slim)
See Milt, Pete, or Ross

PETTICOFFER DODGE, INC.
Route 230 East Next to Shopping Center
Elizabethtown, PA
PHONE: 717-367-1808

NEW & USED FARM TRUCKS



1979 GMC 7000, V8, Gas, 5 & 2, 26,000 license, 900.20 tires with new 16' heavy duty grain body, 40" sides with 12" extensions and 15 ton hoist. Color - Blue & White.
$16,500.00

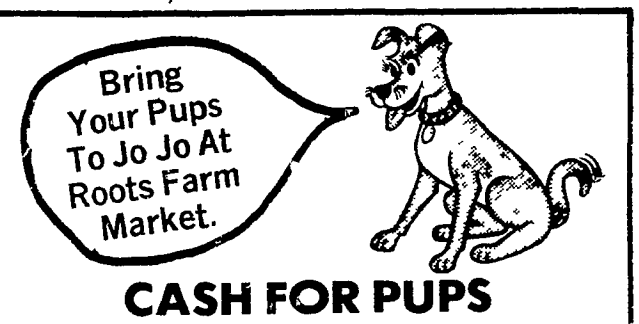
1979 Ford F800 V8, Gas, 5 & 2, 27,500 license, 1000.20 tires, with new Omaha Standard 16' heavy duty grain body, 52" vented sides and 28" fold down cattle racks and 15 ton hoist Color Red & White.
$18,000.00

1970 GMC 5500, V8, 4 speed, 17,000 license - 825.20 tires, with new Omaha Standard 12' grain body, 40" sides and 8 ton hoist. Color - Red.
$5,500.00

1963 GMC 3500, V6, 4 speed, 10,000 license, 700.18 tires with new 12' grain body, 40" sides, no hoist. Color - Green.
$3,000.00

We still have a good selection of new hoists and grain bodies for your truck chassis

FARMERSVILLE EQUIPMENT INC.
RD4, EPHRATA, PA. 717-354-4271
Hours: Mon. thru Fri. - 7:30 till 5:30
Thurs. till 9:00 — Sat. till 3:00



CASH FOR PUPS

I need Purebred and cute mixed litter lots, 6 to 8 weeks old Clean and healthy. Contact "Jo Jo The Dogman" at Root's Farmers Market, RD1, Manheim, PA Every Tuesday 6 p m to 9 p m No Phone Calls

P.S. $50 Cash Prize for Cutest pup purchased on Tuesday, Dec. 12, 1978.

HOUSEHOLD GOODS

For Sale - Majestic stove, real good shape, new grate, new griddle $200. 717-859-2917

HOUSEHOLD GOODS

For Sale - 2 80 gal. hot water heater (LP gas), 4 LP gas heaters, gas range, refrigerator 201-534-4764.

For Homes With Hot Water Heat

THERMO CONTROL "HOT WATER HEAT" WOOD STOVE Model 500W

This Thermo Control features automatic thermostat airtight downdraft system firebrick lining This ingenious heater works in tandem with your existing oil gas electric or solar hot water heating system Thermo Control 500W which can be installed in about two to four hours comes with the ¾ inch special A 40 pipe already installed in the firebox Stoking is done twice a day and your existing system turns on only rarely acting merely as a backup unit The saving can range from 50 to 100% on expensive fuels Available with optional warm air hood domestic hot water piping Overall dimensions 34 inches long 24 inches wide 32 inches high Firebox dimensions 34 inches long 24 inches wide 24 inches high Firebox door measures 18 inches high by 21 inches wide for easy loading If your present hot water system will heat your home so will the Thermo Control Hot Water Heat Wood Stove but without burning expensive fuels Shipping weight is approximately 455 pounds

WE REPRESENT MANY OTHER FAMOUS BRAND IMPORTED AND DOMESTIC WOOD AND COAL STOVE MANUFACTURERS

MAYBE THE LARGEST SELECTION YOU'VE SEEN YET

Write or Call Today —
SUSQUEHANNA STOVES & SUN, INC.
Brogue, Pa 17309
717-927-9214

NAME _____

ADDRESS _____

CITY _____

STATE _____ ZIP _____

TEL. # _____

Dealers Inquiry Invited.
Areas Open - All of Pennsylvania, Maryland and Delaware.

PETS

For Sale - 70 Ford sleeper, 250 Cummings engine, tandem axle, 10 speed R R , (needs work), asking $6200. 76 Ford pickup, auto., radials, clean, $3200 32' tandem flat bed trailer, $900. 2 storage vans, $800 & $1000. Hess, 800 Mt Zion Rd., Lebanon, Pa. 717-273-6018.

For Sale - 1976 Dodge power wagon, club cab, 4 WD, auto, P.S. - P.B., AM-FM #3 Inspection, 36" camper cap, snow plow, 7 tires-rims, 21,500 miles, extra clean, Berks Co. 215-777-8867.

For Sale - 1972 Chevrolet 50 series truck, 21,000 gross weight, 350 engine, power steering, extra gas tank with 15' cattle racks. 717-653-5408.

For Sale - 1973 Int. 1910 series, 549 engine, needs work, twin screw with 19 ft flat metal body $5200. 1955 Ford truck with 12 ft. stake dump $1150, 215-867-0064.

1975 Diamond Reo Raider, 318 Detroit Diesel 13 Speed Transmission, 34,000 lb. rears.
Corners Sales & Service
R.D.#4 Honesdale, Pa. 18431
Telephone:
717-253-2405
or 717-253-4850

PETS

For Sale - 3 registered Border Collies, 2 mo. old, 1 male, 2 females, Thomas Reid, Rt. 1 Box 540, Middletown, DE 301-755-6953

Queensland Blue Heeler pups (Australian Cattle Dogs) from working stock. Shots, wormed and registered. 4 months old. 609-769-0542, Jay Shute, RD#1 Box 552, Woodstown, N.J. 08098

WANTED TO BUY

Puppies, 7 to 9 weeks old, in litter lots. Pure breeds and half breeds. Cash money paid. Will pickup every Wednesday. For resale in my pet shop. Write to Charles Hackett, 3743 N. 5th Street, Philadelphia, PA. 19140 or call before 7 p.m. Mon., Tues., & Thurs. only 215-229-0449. Give breed-age-color when writing. Also some kind of direction. Thank you.

"Alaska Kodiak" wood stoves, discount, no tax to Dela. and Pa. Call for free literature, B & B Stoves, 301-398-3060.

MISCELLANEOUS

Custom made storm windows and doors, aluminum windows and doors for milk house and dairy barns. Ceramic tile (seconds) for cow stable troughs.
ESCH FLOOR COVERINGS
¼ mile N. of Bird-in-Hand on Beechdale Road

For Sale - Cypress boards, all sizes & lengths. Good for paneling, fencing & siding. Ph: 215-268-3263.

MISCELLANEOUS

Sale - Standing old barn, 40x85 ft. weathered board siding and many large beams. Located - RD 1, Elliottsburg, PA $3000. Write Box 366 M-91 c/o Lancaster Farming, Lititz, PA 17543.

For Sale - Electric motors, 2" galvanized pipes, 22 ft. with teeth and elbows, 20 dollys for extra storage, lumber 2x2, 2x3, 2x4, different kind of sheeting. 201-534-4764.

For Sale - Wood burning cook stoves. Choose many colors. Also, FISHER HEATING STOVES. Earl Cole, RD 2 Oxford, Pa. 19363. 717-529-2740.

MISCELLANEOUS

For Sale - Used Norge, Servel and Whirlpool gas refrigerators - reconditioned cooling units available for most gas refrigerators. Also reconditioned Maytag engine washers.
MYER'S GAS REFRIGERATION
RD 1, Leola, Pa.
Ph: 717-656-7169

GIVE ANTIQUES FOR CHRISTMAS
For Sale - Antique Pine Panelled Door Corner Cupboard with Butterfly Shelves; Three Safes or Jelly Cupboards; One Glass-Doored Corner Cupboard Reproduction; Twin-Bedded Solid Walnut Smith Reproduction Bedroom Suite - 6 Pieces plus Mattresses and Springs; Doughtray on Stand; Schoolmaster's Desk; Cobbler's Bench; and Two High-Boy Chest of Drawers. All Beautifully Finished and of High Quality.
Write P.O. Box 236
Gettysburg, Pa. 17325
for information or inspection

TIMELESS GIFTS FOR CHRISTMAS GIVING
For Sale - Two (2) Antique Grandfather Clocks; 8 Ft. Tall; Leaf-inlaid Mahogany case; Broken Arch with Brass Finiels; Brass works with Date and Moon Phase showing; Two weights; 8-Day; Strikes on Hour - Quality items.
Write P.O. Box 236
Gettysburg, Pa. 17325
for information or inspection

For Sale - Treadle sewing machine, excellent; 18" snow blower; 6 lid coal & wood cook stove, good condition. 717-442-4279.

Weaving looms for rent - for sale - or rent - purchase agreement. For information call Dottie Lewis, Box 134, RD 6 Lancaster, PA 17603. 717-872-2756.

MISCELLANEOUS

AGRICULTURAL LOANS FOR FARMERS Bank/ F.M.H.A. guaranteed loans $10,000 to $1,000,000. For information call First Government Financing Co., Inc. Local representative 717-872-6166.

Pheasant Hunting, Sept. 1. to April 30. Pheasants for stocking. Oven ready pheasants. Phone 215-856-7670.

For Sale - Firewood, seasoned oak and other hardwood. $65 cord. 717-569-7565 or 717-653-8243.

For Sale - Browning V belts & pulleys. David S. King, Box 275B, Rt. 2, Myerstown, Pa. 17067.

Sale: Meat band saws, grinders, scales, tenderizers, splitting saws, slicers and walk-in coolers-Gerry Grundy, Doylesburg, Pa. on Rt. 75 200 Yds N. of 274 - open Sat. & Sun. 10 A.M. - 4 P.M. 717-349-7654.

Taking orders until Dec. 9 for homemade live Christmas wreaths, 12" x 14". For Information 301-398-7023, Elkton, MD.

For Sale - Continental steam boiler, 50 hp. $1000. 609-267-9622.

For Sale - Guns - Winchester model 70, 7 mill. magnum with scope, sling & scabbard, Winchester model 94, 32 special, Winchester model 94 25/35 with 5 boxes of shells, gun case for 10 guns and 2 drawers, 2 antique shot guns, Crossman shotgun with track stand and shot. Adams Co. 717-334-1903.

For Sale - Railroad ties in trailer load lots. Ph: 301-239-7375 day or evenings.

Wanted - Christmas trees, Douglas firs, 7 to 8 feet. Phone 215-FI2-9350.

DEALER IN ALL KINDS OF LIVESTOCK
Also Crippled & Down Cattle.
MARLIN S. IRWIN
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Ph: 717-786-3016

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Top Quality Coal
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49¢ a ton
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SHAVINGS IN SMALL TRUCK LOAD LOTS.
H. M. STAUFFER & SON
c/o John Griffin
Leola, PA
717-656-2811

William E. Boyer
Logging Contractor
Buyer of Standing Timber
R2 Stewartstown, PA 17363
Ph 717-235-4582

REAL ESTATE

For Sale - Approximately 70 acres of woods, excellent hunting, in Sullivan Co., Pa. 717-924-3466 before 8 A.M. or after 5 P.M.

OLEY VALLEY FARM
One of the areas finest farms. Features 110 acres, beautiful stone farm house (circa 1734), original beams, highlight gorgeous remodeled family room with pegged floor & builtins. Delightful smokehouse & tack room. Home, barn, & outbuildings, excellent condition. 3 silos. Prime for investment. Sewer ½ mi. away, approximately ½ mile road frontage. Owner will hold mortgage for qualified buyer. BEE Associates Inc. Real Estate, 215-582-2721 call collect.

TEXAS FARMING FRONTIER - Dalhart, Texas, has prime irrigated farmland in the $800 per acre range. 100 years of strong water. Grow 150-200 bushel corn, mild winters, 178 day growing season, and large local grain market. 50 cents - $1.00 per acre property tax - no state income tax. Growing community with progressive school system Free brochures available. Call collect day or night. (806) 249-5613, (806) 249-4000. Mike Justice & Associates, Box 501, Dalhart, Texas 79022

REAL ESTATE

LEASE QUALITY DAIRY CATTLE
Various plans available.
Call or Write:
Dairy Farm Leasing
1700 Dupont Ave. South
Minneapolis, Minn. 55403
612-377-1489

FREE!
Exciting Fall-Holiday Catalog! Over 5,400 Country Properties described, pictured! - Land, Farms, Homes - Waterfront, Recreation, Retirement buys! Yours FREE from the World's Largest!
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CATAWISSA RD2, 137 acres, 80 acres tillable, dwelling with 2 fireplaces, barn, large block garage, new block butcher shop with walk-in freezer, swimming pool, beautiful scenic view of Susquehanna River for miles. Above any flooding. Bill 717-356-2140, Bruce 717-672-2571. LESTER R. WEHRY REAL ESTATE, 7th and Oak St., Mt. Carmel, Pa. 17851, 717-339-2470.

For Rent - 15 acres, 3 bedroom stonehouse, barn & garage, nice for horses. Boyertown area 215-367-9255 evenings.

For Sale by Owner - 80 acre dairy farm, Franklin Co., Modern dairy setup, 10 room brick home, large barn, corn crib, other out buildings. 717-328-5748.

Ground Wanted to Rent - Starting April 79, East of Lancaster, Reading to Maryland. Reply P.O. Box 366 L-73, c/o Lancaster Farming, Lititz, Pa. 17543.

For Sale - 14 acre farmette, Lebanon Co. next to Lancaster Co. line. 3 bedroom stone house & stone bank barn, home completely remodeled, $89,500. 717-949-3018.

For Sale - Mercer Co. dairy farm, 120 acres, 90 tillable, 53 tie stall barn with attached Clay parlor, DeLaval pipeline, new 20x80 barn addition, new 30x60, utility building, 20x100 calf building, 600 ton silo capacity, comes with 54 Holsteins and Equipment. All hay, corn and silage included. In Sale Price of $198,000. Good financing to qualified buyer. 814-425-2609.

For Sale - 189 acre dairy farm with 42 stanchions, located near Woodbury, PA, Bedford Co. in Morrisons Cove. 814-766-3578.

Dairy Farm For Rent - 220 acres, 55 stanchions, silo, sheds, house. Reuben Kadish, P.O. Box 143, Vernon, NJ 07462.

PERRY CO. FARMHOUSE near Blain, Pa. Recently remodeled, three bedrooms, bath, new colonial kitchen, large brick fireplace, original open beams, fully carpeted, HWO baseboard heat, insulated attic, 2-car garage, outbuildings, $26,500.00. Write Box 366 L-76 c/o Lancaster Farming, Lititz, Pa. 17543.

For Sale - Potter Co. - $375 per acre, 60 tillable, 65 wooded, 20 overgrown pasture, 12x55 mobile home, good hunting, nice lay to land, rental income, Berks Co 215-777-8867.

REAL ESTATE

Farms to Rent with option to buy or land contract - 150 to 200 acres, good fertile soil, 60 cow barn, needed April 1, 1979. Write P.O. Box 366 L-36 c/o Lancaster Farming, Lititz, PA 17543.

300+ acres, 2 miles from Williamsport, PA's city Hall in Hidden Valley, 2 streams, panoramic view of 10,000 acre city watershed with city water through property, Well located for farmer with farmer's market set-up, development, hunting organization or investment. $1200 per acre, terms negotiable 301-366-3832.

---

150 ACRE STEER FARM - North of Mt. Etna. 316,000 gal. Harvestore, slurry liquid manure. 25 x 90 plus 20 x 70 Harvestore silos - 140' feed bunk & crimper - 18,000 sq. ft. cement loafing area - possible rental of additional acreage. Financing available. Ph. Fisher Real Estate, 717-273-3745.

Farm For Sale - 158 acres, 44 tie stalls & stanchions, tile mangers, cow mats, gravity water cleaner & maternity pens, 30 x 65 heifer shed attached, 2 silos with unloaders, 14 x 40, 14 x 50, 38 x 70 tool shed with shop, 5 x 14 x 75 corn crib, (2) 1000 bu. grain bins. 100 yr. old 4 bedroom home with beautiful large fireplace, new 200 amp. electric entrance, new well, pond for recreation, 45 acres of alfalfa. Farm is well tiled & kept up. Must be seen to appreciate. Allan Rector, Penn Yan, NY, Yates Co. 315-536-8047.

For Sale - Modern Dairy Farm, pipeline, bulk tank, barn cleaner, etc. Bradford Co., 220 acres. 717-364-5631.

For Rent - Small farm, no house, move your mobile home on and farm organic. I want produce or animals instead of rent. Paul F. Yerger, Auburn, Pa. 17922.

---

175 acre dairy farm for rent, milking parlor with modern dairy equipment, new modern feeding equipment, $900 a month. Feed & farm equipment optional. Ph. 301-447-6320 after 7 P.M.

$650 per acre - 300 beautiful acres, grades A dairy, bulk tank and equipment, new freestall barn, 18x60 silo and unloader and automatic feed bunk, level sandy loam soil, excellent 1977 crop of soybeans, good modern 5 bedroom home. Call 517-567-8965 eves, 517-437-4133.

Central Lancaster Co. - productive 68 acre general farm with 11 room house & large barn; 3 large sheds, shop, garage, pig stable, meadow with shade & running water. Located along main road, 3000 ft. frontage. Many possibilities. Write P.O. Box 366 L-78, c/o Lancaster Farming, Lititz, Pa. 17543.

For Rent - beautiful farmstead, ½ or whole double house, large bank barn, 40 stanchions, stable cleaner, 2 16x50 silos, bunk feeder, 8 acres permanent pasture, 2 miles NE of Chambersburg. Franklin Co. Write Box 366 M-93 c/o Lancaster Farming, Lititz, PA 17543.

Principal desires to purchase a Lehigh Co. farm, can be large or small, must have a liveable house, send details to P.O. Box 3172 Wescoville, PA 18106.

FREE NEW FALL-WINTER CATALOG! Describing numerous Pennsylvania farms, camps, acreage tracts, cottages, homes and businesses. Write Dept. LF-12, WEST REAL ESTATE AGENCY, INC., 2728 Murray Ave., Pittsburgh, Pa. 15217.

REAL ESTATE

For Sale - 100 acre dairy farm, Wyoming Co., PA. New barn & completely remodeled home, 2 silos: 20x50 & 16x30, 48 stalls, fully equipped. FHA financing available at 5% interest. 717-836-5449.

FURNISHED HEATED CABIN - with two bedrooms and bath for hunting camp or year round vacationing. Near Genesee in Potter County - on its own land. BAUGHMAN-LEADER, INC. 717-741-3805 or 717-846-1680 (1202).

---

138 ACRE FARM - Near Hanover, full set of buildings, stream, 90 acres tillable, in high state of cultivation. $219,000. BAUGHMAN-LEADER, INC., 1-741-3805 or 1-854-1975 (1067).

Small hide-a-way farm - 119 acres, 3 bedroom home good condition, barn and outbuildings in reasonable condition. 65 acres tillable, 20 pasture, 34 acres woods loaded with sugar bush. Secluded Potter County location, excellent hunting. Farm it, run beef or hide-out on it. Price $59,500. STEVENS Associates, Inc., R.D. 1 Box 158, Gaines, Pa. 16921 Ph: 814-435-6558.

Do you like Hunting, Fishing, Sporting Equipment. How about this southern Potter County sporting goods, grocery and fuel business. 40'x50' building with excellent showroom. 3 bedroom living quarters with fireplace in living room. Excellent tackle and related sporting goods business established. Potential for small family restaurant (none in area) Price $75,000. Plus inventory. STEVENS Associates, Inc. R.D. 1 Box 158, Gaines, Pa. 16921 Ph: 814-435-6558.

TIRED OF FARMING? - Try this excellent country Inn, Restaurant and Tavern - central Tioga - Potter County location on U.S. Rte. 6. 10 rental rooms, owners apartment, rental cabins, 2 acres. Thriving local and tourist business, immaculate condition. All licenses easily transferred. 6 miles to ski run, 200 yds. to Pine Creek and State Game lands. Price of $180,000 buys you a going business. STEVENS Associates, R.D. 1 Box 158, Gaines, Pa. 16921 Ph: 814-435-6558.

For Sale - Very good large remodeled country home, 3 bedrooms, 2 full modern baths, included new stove, new refrigerator freezer & new upright freezer. Also washer & dryer. Owner relocating. Must sell. 717-756-2046.

For Sale - 291 acres Potter County Dairy Farm. Good corn & alfalfa ground, new silo. $150,000. 814-848-9833.

Northern New York State: (1) Veal Farm, all modern facilities. Income for 1978 about $50,000 net. Price $125,000 plus stock. (2) Combined Dairy Veal Farm. 340 acres, modern farmhouse, excellent equipment, 65 stanchions, calf pens. Price $150,000 plus stock and equipment. Contact Mrs. Borden 2101 Connecticut Avenue, #37, Washington, D.C. 20008, Phone 202-332-2417.

Wanted to Rent - 50 to 100 acres tillable land in Frystown, Bethel, Myerstown area. 717-933-5358.

For Sale - 1 of Somerset County's finest farms, 192 beautiful acres, 10 room house & 100x60 bank barn in excellent condition. Priced at $250,000. Anderson Real Estate, 412-837-1191 ask for Francis Hindman.

REAL ESTATE

Farms For Sale - Finger Lakes Area, New York State. Dairy or cash crops. Patchen Real Estate. For appointment only Russell Thorn, Salesman, 649 Marengo Rd., Clyde, NY 14433. Ph. 315-923-7464.

For Rent - Giant barn and silo, joins state game lands, pasture, stream, box stalls $25 up per mo. any storage.215-647-2020.

ADAMS COUNTY
140 acre dairy farm - $160,000.00; 76 acre dairy $155,000.00.
FRANKLIN COUNTY
145 acres with good house and barn $140,000.00; 100 acres unimproved land, ½ tillable $75,000.00.
VAN CLEVE REAL ESTATE
717-624-8201

REAL ESTATE WAYNE COUNTY, NEW YORK STATE
NEAR CLYDE, SAVANNAH

310 acre farm, two houses, barn, 30 stanchions, 150 tillable, $100,000.00 Owner finance.

425 acre dairy farm, 175 tillable, 60 stanchions, bulk tank, can buy bare farm or with contents, $225,000.00.

123 acre farm, 105 tillable, 13 room house, two silos, can be restored back to dairy, $75,000.00 Owner finance.

RON VITTICORE, Broker
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ONONDAGA COUNTY
Stately, showy, beauty, 4-6 bdrms., on 326 acres, with approx. 225 highly producing tillable acres; some woods; pond; pasture; terrific beef setup with automatic feeder & water. Large Clear Span 50 x 170 Bldg. Bare Farm $360,000. Corn dryer and full line of machinery also available.

MADISON COUNTY
Dairy Farm - "Package Deal" 289 acres, 180 tillable, woods, pasture, 2 streams. 42 x 160 Barn with 78 tie stalls, (new 1958), 2 silos, 735 gal. bulk tank, S.S. pipeline milker. 4 bdrm. home, machinery and highly productive cows, all included in $340,000. price.

CAYUGA COUNTY
Dairy Farm - 335 Acres; 225 tillable, woods. Large newer barn w/72 tie stalls, 2nd barn with over 100 stanchions. 1,000 gal. bulk tank, pipeline milker, 3 silos. 2-3 bdrm. homes.

CATO AREA
Gentleman's Farm - 60 Acres tillable with barn and 4 bdrm. home. Convenient location. Listed at $60,000. For appt Audrey Banner, Broker, 315-689-3959 or 315-626-6156.

AUDREY BANNER R.E.
"The Country Specialists"

REAL ESTATE

OWNER MUST SACRIFICE
80 Acres

2 barns, stream, stone frame house, 3 bedrooms, fuel oil heat, 50 acres in hay, ideal for horses or livestock $89,500. No Realtors.

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Schuylkill Co.

REAL ESTATE

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2 Barns completey equipped & modern, with 228 Calf Capacity New Rancher style dwelling with smaller storage barn Excellent opportunity $110,000 00

Lewistown Insurance & Realty Co.
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717-248-7306
After 6:00 P.M.

REAL ESTATE

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336 acre dairy farm, 84 cow tie stall barn, box stalls, 20 x 80 & 20 x 40 Harvestore, 2 cement stave silos, new 4 bedroom house, machinery storage building, 3 heifer & storage barns, garage, workshop, 20 x 60 Marlette Mobile home. Produce goes with farm. $350,000. 25% down to a responsible party with low interest. 145 head of Registered Holstein dairy cattle & full line of machinery can be purchased in addition to the farm. Located in Tioga Co., Pa.

PHONE 717-724-3908

REAL ESTATE

REAL ESTATE

DAIRY AND CASH CROP FARM

306 Acres in Seneca County, Romulus, New York. Neighbor to other Pennsylvania farmers. Close to lake, two houses and several barns.

PATCHEN REAL ESTATE
For appointment only call
Norm Brewer, Sales Person
Phone 607-532-4949

COLONIAL REAL ESTATE
Southern Huntingdon Co., PA
814-447-5511

Dairy Farm - Near Rt. 75, 105 acres, mostly tillable, limestone house in good condition with 9 rooms and bath, 70x90 barn with 20x36 bulk stall edition, many other extras.

10 Acre Farmette - 7 rooms and bath home, with oil heat, storm doors and windows, small barn, 2 streams on property. $31,900.

SHEETZ REAL ESTATE
RAY N. WILEY INC.
323 W. Main St.
Mount Joy, PA

CALL 653-1481

FARM LISTINGS NEEDED

Farm Salesman-Eugene Kreider

#180 - 5 Acre farmette in Ringtown, large 4 bedroom 5 yr. old home, 2 barns; second new 1 bedroom home, $75,000.

#166 - 102 Acre Farm Near Gratz - Lykens Valley
80 tillable, stream thru, pond, spring water, 20 room home, 4 large barns, plus others, $179,000.

#164 - 10 acre farmette, excellent barn, nice home, stream, $49,500, more acreage available at $1000 per acre.

#167 - 10 A farm, very nice large remodeled home, 4 large barns plus garages, pond & stream, secluded but near town, $69,000.

#156 - 70 acre farm, $79,000, 45 tillable, 25 acres large timber, stream through, 4 bedroom home, 90 x 20 barn plus other buildings. Owner will finance.

#126 - 40 acre farm $77,900. Near Halifax, barn shop, home.

#128 - 880 acres mountain land, some roads thru, near an Interstate, $175,000.

#151 - 25 acre farm, $198,000. 35 room brick mansion, second large brick 4 bedroom home, 4 barns, additional acreage available.

Acreage available from 5 to 112 acres.

Shown by Appointment Only
Other Farms Available, Call or Write

STROUT REALTY
936 East Main St.
Hegins, PA
717-682-3241

FOR SALE
SNYDER COUNTY HOME

Appro. 1 ¾ A. open land, 24 x 31 frame house with aluminum siding remodeled inside, 18 x 28 bank barn, dependable spring, piped into kitchen.

CONTACT:
PAUL B. SENSENIG
R.R. #1
Port Trevorton, Pa. 17864

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160 Acres of some of Susquehanna Co.'s best soil, Amish settlement within 15 miles, 120 acres tillable, 30 woods, 10 pasture, more land and buildings available nearby.

ROBERT T. COATES REALTOR
Gap, PA
717-442-4134 or 717-768-3711
Corner of Rts. 30 & 897

NEW YORK - POPULAR FINGER LAKES

180 acres dairy/hogs, large buildings, 2 homes, good soil, assume $58,000 mtge. ..... $95,000.

268A. Ontario soil, (2) barns, (2) homes, (2) mobile home pads, dairy/hog farm. ..... $95,000.

63 acres, 35x70 barn, (2) silos, large home ..... $56,000.

175 acres, 35 cow dairy, (silo), good home .... $110,000.

125 acres tillable, barn, (2) silos, (home), 29% down . $78,000.

80 acres, beef/hogs, good home ..... $54,000.

1200 acres, 50,000 bu. grain storage, dryers, "A Big One".

175 acres, 20x60 silo/unloader, 50 tie stalls, needs work ..... $105,000.

145 acres, 65 cow conventional barn, new 20x70 silo/unloader ..... $165,000.

170 acres #1 soil, dairy/hog farm, brick home, owner financing. ..... Under $150,000.

Some farms are near Mennonite School/Church!.

WJW REALTY
Alfred J. Farney - Farm Specialist Broker
Seneca Falls, NY 315-568-5910/568-5502
Call Collect!

138 ACRE FARM IN NORTHUMBERLAND... 2 story, 4 bedroom log home, 1 large barn for general operations, 2 smaller buildings, wooded terrain and farm land, 90 tillable acres, 10 pasture acres. Only $862.30 per acre, owner financing available.

79 ACRE FARM ... only $80,000.00 Act Quick!

125 ACRE FARM IN JUNIATA COUNTY ... very nice 8 room house, plus a big, big barn for livestock. This farm has lots of road frontage and 107 tillable acres of farm land.

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7 acres - 2 unit house, large barn $49,900.

15 acres - poultry operation, excellent house, $68,000.

110 acres - barn, Harvestore silo, general farm.

90 acres - barn, silo, 3 bedroom house, pond, 70 tillable, 20 pasture, gently rolling. $126,000.

80 acres - barn, silo, no house, land good, 70 tillable. $112,000.

60 acres - no buildings, 55 tillable, 5 pasture, good soil. $84,000.

53 acres - barn, silo machinery shed, all tillable, level slope. $74,200.

20 acres - barn and other outbuildings. $40,000.

We have ready buyers for your farm. Call today.

Warren Weaver Inc. REALTOR
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GREEN ACRES REALTY CO.
On The Square
NEWPORT 717-567-3312
Perry Co. Properties

#1 "Millerstown Area" - 100 acre farm. 2½ story brick dwelling with 3 bedrooms - modern kitchen & bath Large bank barn in excellent condition Approximately 50 acres cleared, bal woodland & pasture. Good stream & spring. 40 min. West of Hbg. Priced to sell at $89,900.

#2 "Adjoining State Game Land" - Approx. 78 acres of nice hardwoods. Large ranch style dwelling, well-maintained. Stone fireplace - some furniture - large pond fed by mt. spring water. All this nestled & secluded in the Tuscarora Mt. with easy access to Rte. 322 & 22. Asking only $79,900. Possible owner financing

#3 "10 Acres of Prime Hunting Land" - Person who buys this tract has hunting privileges on several hundred acres of woods. Asking only $13,900.

CENTRAL PENNSYLVANIA LARGE FARMS AT A BARGAIN!

HUNTINGDON COUNTY - 396 Acre dairy farm 12 miles SE of State College. Two houses, two barns, one equipped for dairy with 72 stanchions, pipeline milker with bulk tank, automatic gutter cleaners, 4 silos. 350 acres tillable, 46 pasture. Immediate occupancy. Price $297,500 with terms.

JUG MILK OPERATION - 400 acres, more or less, 190 tillable, 50 pasture and 160 woodland. Stone house, dairy barn, dairy store, and other buildings, including greenhouse and tenant house. 50 free stalls and milk parlor. Commercial highway frontage, near community of 6,000, no competition in immediate area. Exceptional opportunity at $347,500. Additional 200 acres tillable available for purchase in the vicinity.

CALL:
HUNTINGDON COUNTY REAL ESTATE, INC.
305 Penn Street,
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289 ACRES, 200 tillable honeyoye loam. 60 cow pipeline barn plus 34 tie heifer barn. Good 2 story 9 room home, oil heat. 85 head, about 60 milkers, 4 tractors, full line of machinery. Asks $192,500.

2 HOUSES, one 6 bedrooms, the other 3 bedrooms on 159 acre farm, 100 tillable. 50 cow barn, Universal transfer station, cleaner, mow elevator. 35 Holstein milkers, 2 tractors, machinery. $138,000.

BEEF, HORSES AND MAPLE SYRUP, you can have it all here. 55 acre farm near Albany, N.Y., about 10 acre sugarbush, balance open. 5 bedroom Colonial home with fireplace in the kitchen. 2 barns. Complete maple saphouse. $55,000 terms w/owner.

GOOD ALFALFA grows on this 450 acre farm, 200 tillable. Large country home, 2 baths, oil furnace. Barn accommodates 77 head. Asks $155,000. Make an offer.

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FARMS FOR SALE

118 acres - approx. $1300 per acre going dairy farm, 70 tillable acres, good area of UNION CO.

90 acres - fertile loam soil, all tillable, large barn, silo, milk house, equipment storage, corn barn, good home Very Good JUNIATA CO. location $240.000.

180 acres - 96 freestall setup, 24x80, 20x52 silos, 160 tillable acres, Rt. 414, BRADFORD CO. $195,000.

65 acres - General farm, limestone soil, stream, nice home, ALLENWOOD-UNION CO. area $140,000.

Small broiler operation, nice home, seclusion, Rt. 192, UNION CO. $61,900.

SPECIAL MENTION

Reduced $10,000

Attention Nature Lovers - Horse and Livestock people: This farmette offers country living at its best. Beautiful 4½ acres, stream, meadow, woods, very nice 2 story home, near the best hunting and fishing. Off Rts. 11 & 15 within commuting distance to Harrisburg. Owner says sell!! Priced in the low 40's.

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CENTRE COUNTY

184 acre farm loacted 12 mile from State College, features a modernized two story wood frame 12 room house with 4500 sq. ft. of living space. A two story wood bank barn with attached loading shed and complete outbuildings, 122 acres open, 52 acres woodland with marketable timber. Stream flows through farm. Excellent hunting and fishing area. Present use beef. Ideal for sub-division. Owner financing available.

Also in Centre County -
408 acres 450.00 an acre, owner financing available

135 acres, all wooded, perfect for hunting $30,000

1200 acres Snow Shoe area - 200.00 an acre.

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Bellefonte, Pa.
Phone 814-355-2324
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James Caldwell 814-355-4454

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REAL ESTATE

(58T) 112 acre farm near Fairfield, PA with lovely 3 bedroom old native stone home, modern kitchen, dining room, living room and den, large barn, summer kitchen and other buildings, large pond and springs, private foot of the mountain setting. $145,000.

(68T) 59 acre gentlemans farm, South of Gettysburg, PA, large 4 bedrooms, 2 baths, solid brick home, large barn, garage and supporting buildings, immaculate home, barn and buildings in excellent condition, wooded, tillable and open acres with 3 streams. $149,000.

TOWN & COUNTRY REAL ESTATE
Fairfield, PA
717-642-5851

LYCOMING COUNTY
Oval, 55 acres general farm, 50 acres tillable $85,000.

DAUPHIN CO. - Halifax
Nice 70 acre general farm $140,000.

NORTHUMBERLAND COUNTY
70 acre general farm, level sandy loam river bottom soil, exceptional 4 bedroom house, city water, road frontage.

UNION & LYCOMING COUNTIES
45 acres nice woodland with stream, excellent deer country.

UNION COUNTY WHITE DEER
140 acre Dairy, 52 stanchions, 3 silos, 126 tilled, 9 room brick house & stream.

CLINTON COUNTY
Between Nittany Valley & Sugar Valley. 180 acre general farm, real nice farm ground, large barn, nice house.

We have many other farms.

WITWER REAL ESTATE
Ephrata, Pa. - Office
717-733-4138 or
215-267-7963

CENTRAL PA. FARMS

Centre County - 44 acre farmette features completely renovated log house in excellent condition Located 4 miles north of the intersection of Rts 220 & 114, stream frontage, sound barn & other outbuildings, 5 acres pasture, 5 acres tillable, 33 acres woodland Good hunting & low taxes Very reasonably priced at **$67,500.**

Clearfield County - Brady Twp This general farm features 165 A w/approx 120 A tillable, a large 2 story bank barn, house & 24' x 100' implement shed Excellent road frontage & stream Very near the town of DuBois Priced at **$165,000** w/owner financing available (See following listing)

Clearfield County - Brady Twp Located quite near the above 165 A farm is this 76 A farm w/55 A tillable, featuring a house, barn, & several outbuildings There is an excellent flowing stream & very good road frontage Priced at **$88,000** w/owner financing available This farm may be purchased w/the above farm at a reduced price

Columbia County - Very highly productive grain farm, 533 A w/approx 345 acres tillable Complete grain drying system with American batch dryer, 2 elevator legs, storage bins, 3 homes, 2 barns, & miscellaneous outbuildings Located near Bloomsburg Can easily be split for a simultaneous sale to 2 buyers **$1,066,000 with 7½% owner financing**

Northumberland County - Ideal as an investment or for general farming, this 138 A farm features approx 121 A of nice laying, highly productive tillable land & a very large 2 story bank barn Adjacent to Milton, it has a large amount of road frontage & pulic water & sewer is available Although the property does not have a dwelling the purchaser can purchase a new dwelling at cost Priced at **$414,000.**

Centre County - Bald Eagle area, 93 acre farm, 80 acres tillable, good productive land, no buildings Priced at **$89,000.**

Perry County - This 227 A general farm located 4 miles West of Millerstown features a beautiful 2 story stone house, 2 story bank barn w/21 stanchions, 2 silos, farm shop, implement shed & cribs, guest cottage & other well maintained outbuildings 2 streams provide water for 23A pasture 90A tillable & 112A woodland adjoins state forrest Located approx 30 minutes from Harrisburg & reasonably priced at **$210,000.**

Mifflin County - Ideal for **investment** or **general** farming, this farm features 115 acres, with 106 acres of productive, tillable land It has valuable road frontage on Rt 22, and also features creek frontage The brick dwelling features an open, banistered stairway from the first floor to the attic, and the two story bank barn has 21 stalls Also included is a milk house, corn crib-implement shed and out buildings Reasonably priced at **$137,500** with owner financing available

Centre County - Nittany Valley - 160 acre **general farm,** 120 acres tillable, bank barn, out buildings, no house, stream, good water supply Located approximately 5 miles North of Bellefonte, PA on Rt 26 Amish neighbors Priced at **$199,500** with owner financing

Huntingdon County - Nice 277 acre **dairy farm** with 240 acres tillable, 33 acres pasture, & 4 acres woodland Featured is a 2 story frame house, with aluminum siding, 2 story frame barn with 50 stanchions, milk house with bulk tank & water heater, large concrete block garage & shop with cement floor, all in good condition & several miscellaneous buildings The majority of this farm lays quite nicely Located 20 miles from State College Priced at **$275,000** with owner financing available

Huntingdon County - Located in a beautiful area of Huntingdon Co , this property features a good, 2 story frame dwelling, good 3 bay cement block garage, large bank barn in good condition, and several miscellaneous buildings on 220 acres Approximately 80 acres is tillable and pasture ground The balance is woodland A small stream flows through the property, and it has an excellent view Ideal for **horses, beef, hunting or weekend relaxation.** Well suited for purchase with 277 acre dairy farm above as a large dairy unit Priced at **$110,000,** owner financing available

Centre County - 217 acre **general farm,** 6 miles from State College, limestone ground, good buildings, **$280,000** - convenient terms available

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Selling a farm is more than running an advertisement. It involves a thorough knowledge of soils, crops, livestock and financing. Kissinger Leonard & Associates Farm Sales Staff has extensive farming and agricultural financing experience, and combined with the firms 45 years of service in Central Pa., a detailed professional farm sales program has been developed If you are thinking of selling we would appreciate the opportunity to explain this program to you at your convenience, without obligation For more information, please feel free to call or write the office or call any of the sales associates listed below.

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500 acres, 300 choice tillable acres, balance pasture and woods, 4 very nice houses, barn with capacity for 150 milkers, other buildings, comes complete with 146 cows and 60 heifers and calves, full line of modern machinery and equipment, all crops included. Priced at $550,000. Good financing available. This is an outstanding buy.

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CUMBERLAND COUNTY FARM

130 acres, 100 tillable, equipped for hogs, beef or horses Shale soil thoroughly worked & fertilized, offers good grain crop 2 silos, 1 - 14 x 18' Fickes 64 x 45' bank barn 36 x 24' block building House structurally sound but needs work Excellent road frontage Located near Carlisle $150,000

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Residence 717-423-6581
Office 717-249-7700

COLONIAL REALTY
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PERRY COUNTY

135 Acre Farm, 100 Tillable, Mountain Stone House, 40 x 80 Barn, 10 x 30 Silo, Chicken House, 2 Implement Sheds.

Owner Financing to Qualified Buyer.

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AC 717-789-3474

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NORTHUMBERLAND COUNTY
206 acres, 165 tillable pig & steer farm Farm house completely renovated, 2 baths, 5 bedrooms, modern kitchen, etc Really nice place Setting in from road with beautiful view, 1000 head pig capacity farrow to finish with large bank barn, 100 steer capacity & large corn storage, running stream, etc A beauty **$295,000 #224.**

MONTGOMERY COUNTY
75 acres, $3,500 00 per acre large amount of road frontage **#139.**

40 acre 8 room house and barn ready for renovation Located along Rte 663 Tremendous possibilities **$125,000 #111.**

FULTON COUNTY
181 acres, 123 T , large three story four bedroom frame house, modern kitchen and 1½ baths, large bank barn, 15 stalls, attached shed and other outbuildings **$165,000 #137.**

232 acre dairy farm, new 73 cow freestall barn with automatic bunk feeders Bank barn with 33 extensions, bulk tank, new machine shed, 2 concrete and 2 trench silos, large new brick home, 1 fireplace and barbecue pit, modern kitchen, dining room, 3 bedrooms, large semi-finished basement Absolutely beautiful Second house with 3 bedrooms and bath **$260,000 #163.**

BERKS COUNTY
NEW
139 acre orchard, very nice, large sales building, 110 x 60 & 40 x 45 refrig storage, grading rooms & office building Also a good 8 room frame home w/bath & 4 room Summer house w/bath A very nice operation at **$380,000. #241**
36 acres adjoining property available also, **$108,000 #242.**

95 acre horse farm with the most outstanding restored historical brown stone eight room house, bath, fireplace, guest house, smoke house and spring house Very large and outstanding 16 stall barn with large addition for steers, very good limestone soil with enough level land for a race track For the race horse lover Registered with Pa historical society **$375,000 #117.**

208 acre dairy farm Large 9 room stone house with fireplace, & attached frame addition, beautiful setting Large barn with slate roof, 62 stanchions, 20x60 & 12x50 silos, pipeline milker, bulk tank & outbuildings 1½ mile of macadam road frontage running through farm intersecting long fields making hauling easy 160 acres tillable Must be seen to be appreciated **$416,000 #101**

COLUMBIA COUNTY
204 acre jug milk farm featuring 2 homes, main house stone & frame, 12 rooms & bath w/all modern conveniences Second home 2 story w/8 rooms, & bath, oil hot air heat, both in excellent condition Also 130 freestall barn w/automatic feeding, parlor, milk house & holding area One 26 x 70 concrete, one 20 x 30 Harvestore & 5 12 x 45 silos Also new dryer & 11,000 bu storage bin, 4 large equipment buildings & 4 car garage Sales store w/black top lot & walk in cooler also a full line of modern equipment including 4 tractors, skid loader & combine Also 65 head of cows A very good buy at **$550,000 #247 Call for details**

JUNIATA COUNTY
117 acre orchard w/road side store market featuring walk in cooler & large cold storage There are apple, cherry & peach trees, a lovely 2 story home w/6 rooms, bath & laun dry, all modern A family operation & a very good buy at **$195,000 #246**

MONTOUR COUNTY
125 acre dairy farm, 90 tillable, large 2 story home, large bank barn w/40 stalls, implement shed, hog pen & stream through pasture **$150,000 #214.**

FRANKLIN COUNTY
147 acre dairy farm, very nice 8 room house with full basement, bank barn, holding pen and 60 cow free stall Also corn crib & outbuildings Good location **$295,000 #180.**

46 acres with cabin & beautiful wooded area near Chambersburg **$57,500.**

BRADFORD COUNTY
NEW
290 acres, 220 tillable dairy farm, 102 stall barn, pipeline milker, bulk tank, barn cleaner, fans & heifer stalls, large machinery shed & heifer barn, new insulated shop, 2 18 x 50 concrete silos w/unloaders, 20 x 50 Harvestore silo & other outbuildings A real going operation at **$470,000.** Cattle & machinery optional Also 150 acres available for rent **#239**

98 acre, 70 tillable, good dairy barn, 47 tie stalls, heifer stalls & pens, bulk tank, barn cleaner, 20 x 60 concrete silo w/unloader, all equipment in good condition, **$110,000.** Cattle optional Also 100 acres available for rent **#240**

NEW
16 acre hunting camp w/frame house, nice kitchen, large stone fireplace, cathedral ceiling, fenced Also 2 barns, milkhouses, grainery & garage Spectacular view, **$49,000**

REDUCED
243 acres, 110 tillable good alfalfa ground, 2 houses both remodeled Main house has 8 rooms including modern kitchen & bath Second house has 6 rooms & bath Both automatic heating 61 stall barn, barn cleaner, 630 gal tank, milk transfer system, 2 concrete silos w/unloaders, 2 tool sheds ~~$270,000~~ **$230,000.** Now operating with cattle optional Also 200 acres available for rent **#226.**

116 acres, 63 plus stall Quonset barn, large loafing area, large machine shed, 4 concrete silos w/unloaders, barn cleaner, bulk tank, pipeline milker, very nice 9 room home, 4 bdr , 1½ bath All for **$145,000.** Second dwelling, cattle and machinery optional **#217.**

168 acre dairy farm, 35 stalls, barn cleaner, 18x50 conc silo w/unloader, 500 gal bulk tank, 42x70 machine shed, **$125,000 #192.**

155 acre modern dairy farm, 800 gal bulk tank, 64 tie stalls, barn cleaner, 2 silos, modern dwelling, 4 bedrooms, new furnace, oil & wood combination, beautiful view and other outbuildings A good producing farm **$141,000. #184.** Cattle & machinery optional

104 acres, 55 tillable, woods, stream, lake site, 10 room home, 1½ baths, fireplace, orchard A nice place to raise a family **$75,000 #177.**

2 Story frame house, remodeled kitchen & dinette, double livingroom, full bath, utility room & 3 bedrooms on 1 8 acres **$25,000 No. 236.**

WOODED ACREAGE
(2) 25 acre tracts **$14,250 ea.**
10 acre tract **$6,000.**
13 acre tract **$7,800**

248 acre dairy farm, 160 T , new dairy barn, 72 free stalls, 8 stall herringbone parlor, 800 gal tank, 80 cow bunk feeder, 20x60 conc silo w/unloader (half full of silage), liquid manure, heifer barn and dry cow barn, also storage barn, 2 story frame house, 7 rooms and bath w/upstairs apartment All for **$178,000 #115.**

110 acre dairy farm, 50 stanchion barn, 2 story shed, silos, machinery included Colonial type house, 9 rooms, 1½ baths ~~$98,000~~ **$88,000 #125.**

CHESTER COUNTY
10 6 acres of nice open ground, Newark area. Ideal for farmette or development Call for details **$79,500.**

SUSQUEHANNA COUNTY
148 acres beautiful woodland located near Elk Mountain ski area **$83,000.**

LUZERNE COUNTY

82 acre X-mas tree farm in excellent condition, beautiful old frame 10 rm home, 5 bedrooms, 2½ baths, fireplace, kitchen, etc Barn, grainery, silo, and garage 10,000 X-mas trees ready to go 25,000 total trees A nice home and a good business opportunity **Priced to sell $168,500 #172.**

10 acres wooded for **$15,000 #176.**

Grain Farm, 138 acres tillable, 9 room very good house **$160,000.**

YORK COUNTY
203 acre dairy farm, beautiful 150 comfort stall barn, pipeline milker, two 1000 gal bulk tanks, extremely large milk house with offices, dry cow barn with large hay storage above Very large concrete lots, two Harvestore silos 20x50 Large trench silo 10,000 bu grain bin Two very beautiful homes A very beautiful farm **$475,000.**

160 acre, 130 T beef farm, remodeled 8 room house, large bank barn, corn crib, and other outbuildings, nice laying land **$225,000.**

8 acres 8 room frame house, oil hot water heat, double corn crib, beautiful setting back off road with farm pond **$58,000 #144.**

LEHIGH COUNTY
102 acre steer farm, barn feed lot and silo Large stone house, center entrance, ready to be renovated **$175,000 #145.**

105 Acre Tract, clear & wooded, access on two roads overlooking Allentown & minutes from Bethlehem Also brick farm house, 6 rooms & bath Private. **$420,000.**

POTTER COUNTY
40 acres of mountain land, 10 acres open Remainder woodland, borders on hard road one side **$20,000 #109.**

SNYDER COUNTY
155 acre beef & swine farm Large barn, 85x90, excel condition, 2 story grain house, 36x30, ex cond , implement shed, second steer barn, 45x50, good cond Very nice 2 story frame aluminum sided home, 8 rooms & bath A very nice operation **$175,000 #188.**

TIOGA COUNTY
125 acre dairy farm, 95T, good milk pickup access, you'll like the soil, contour of land and drainage! Beautiful 2 story, 9 room farm house, 36 stall barn, 2 new concrete silos, new machine shed, shop and pond You'll love it **$156,000.** Cattle and machinery optional

Selling or buying a farm is more than a simple business transaction. All of our salesman have been engaged in aspects of farming. We have a good knowledge of farming & farm finance & are geared to help you with quick and reliable service. Our agency force throughout the state is ready to serve your needs today. If you are thinking about buying or selling, please call us for a free consultation. Let us help you achieve your higher goal.

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NEW YORK - CHAUTAUQUA COUNTY

186 acre farm with 5 bedroom home, 30 cow barn, new pole barn, nice woods, pasture and approx. 65 acre tillable ..... $75,000.

225 acre dairy farm with appr. 150 acres, ex. gravel, cropland, 86 cow stall barn, 3 silos, 16000 bale hay storage, tool shed and ex. 5 bedroom home. All hay, silage and feed included ..... $170,000.

85 acre dairy farm with ex. stanchion barn, approx. 60 acres tillable and ex. 4 bedroom home on quiet road ... $79,900.

121 acre farm with ex. fenced pasture, 40x80 barn, 30 acres wooded and a good older 4 bedroom home ..... $60,000.

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SIMPLICITY IS BEAUTY Nestled in the foothills of Pennsylvania's Endless Mts, this marvelous old farmhouse has been lovingly renovated by expert craftsmen, completely equipped, 16' x 22', country kitchen, gracious living room with brick fireplace wall, multi-windowed formal dining room, study, laundry room, bath, mud room, second floor has spacious twin baths, comfortable family room at lower level, bar, brick fireplace, sliding doors open to patio with gas grill, three bay garage, one bay heated, paved parking area, five acres, (additional land available); Tioga Co, Penna. Brochure sent upon request; shown by appointment only. **$125,000.00**

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Peggy Evans Keith, R.A.

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CANTON ST TROY PA

FARMS & MINI-FARMS

Call to set up an appointment at your convenience to inspect these and other farm and rural properties.

F8-254 112 acres, 80 tillable acres, ready to go into operation, 16x50 silo w/unloader. 50 x 75 pole barn, 100 ft. feeding bunk. Other out buildings, pond, springs, hay, straw & unharvested crops to buyer, older 3 br. log home. Union Co. Once sold it's gone!

F8-93 10 acres, m/l Mifflin Co., near Belltown, has new 3 bedroom ranch home w/fireplace, great view, and location. Small bank barn and equipment shed. 1 yr. Buyer Protection Plan on house. $49,900.00.

F8-230 A lovely Rancher on 70 acres, creek frontage, Abuts State game land, 2 fireplaces, 4 bedrooms, 1½ baths, bank barn, open fields & green forest. Screened patio, elec. heat, central vacuum. Spring & much more Snyder Co. $77,900.00

L8-229 Sportman's Paradise! 40 acres of woodland & open fields along Penns Creek. Natural deer sanctuary on your own island Excellent trout fishing. Frontage along paved road. Mile from State game land. Ideal for cabin or camping. Near Glen Iron. $22,900.00.

L7-257 50 acres m/l nice farming land w/development potential. Mostly tillable. Owner will survey. $875/acre

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FALL FARM INVENTORY LANCASTER COUNTY

THIS WEEKS BEST BUY - 132 acres in Southern Lancaster County approximately 90 acres tillable, 25 acres pasture with stream, balance level woodland, good frontage. Best buy on the market $2,650.00 per acre, some owner financing available.

155 acre Dairy farm - offering complete set up with 5 silos, 263 free stalls, 12 unit milking parlor, 7 residential units, $650,000.00 Secondary financing available.

YORK COUNTY

56.3 acres between Craly and New Bridgeville approximately 40 acres tillable, good bank barn, good home in need of repair. $95,000.00

13 acres more or less, Lower Chanceford Township, along Rte. 74 level road frontage, house in need of repair at end of long lane $48,000.00.

CHESTER COUNTY

Near Atglen - 43 acres with magnificent pointed stone home with 9 rooms and SOLD recent roof and heating system. Unbelievea[SOLD]nted stone barn absolutely underpriced at $125,000.00 but owner must move.

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SOUTH CENTRAL PENNA. FARMS

CUMBERLAND CO.

Dairy (Newville)
190 acres, 150 tillable, fertile rolling Hagerstown limestone soil, large bank barn with 27 tie stalls, 400 gal. tank, 2 stable cleaners, 10x50 silo and other out buildings, large modern stone and brick house with center hallway, open staircase and two working fireplaces.

Dairy (Newville)
174 acres (120 tillable) fertile, rolling limestone soil. Pasture, timber & stream, 2 bank barns - 1 improved with 24 comfort stalls, 400 gal. tank, 3 unit pipeline & stable cleaner. 2nd is heifer housing. Large modern stone house with center hallway, open staircase & 3 working fireplaces.

Dairy (Carlisle)
108 acres, 80 tillable, fertile rolling limestone soil, large bank barn, 68 tie stalls, 500 gal. tank, 2 stable cleaners, 2 silos, 1 unloader and bunk feeder. Large cement block implement and loose housing building. Large semi-modern brick house with center hall way, open stair case and fire places.

General (Newville)
90 acres, 86 tillable, fertile level land, bank barn with 2 silos and other out buildings. Modern 2 story frame house.

FRANKLIN CO.

General (Shippensburg)
160 Acres (130 tillable), large bank barn, small tile silo, 10 room fairly modern double house (frame & cement block), 3000' road frontage, 15 acres timber, 2 small streams & 200' frontage on Conodoquinet Creek.

THINKING OF SELLING "YOUR FARM"?

This is certainly an important decision raising many questions -

What is a fair price ? How to find a "QUALIFIED" buyer ? When should I sell ? What about tax considerations ? The farm specialists of G.L. Ebener & Associates, with 85 combined years of dairy farming experience and other agricultural involvement, can help you with answers to these and other important questions. Selling your farm is one of the most important decisions of a lifetime and merits professional help. Write or call us to discuss your objectives.

GEORGE L. EBENER & ASSOCIATES, REALTORS
139 West High Street
Carlisle, Pa.
Phone - 243-6195
If you prefer, call any of the Farm Representatives at his home 'phone listed below.
John B. Niesley - (717) 243-7575
Charles L. Wenger - (717) 263-0945
George L. Ebener - (717) 249-4979
Wilbert L. Diehl - (717) 258-3231

REAL ESTATE

REAL ESTATE

7 acre farmette with large log house with aluminum siding, has out buildings and lots of trees with stream, suitable for raising pigs or other animals. Owner may help finance for right party

EUGENE KELLER REAL ESTATE
Jim Adams, Salesman
Branch Office - Jonestown, Pa.
717-865-6333 or 865-3788

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STATE COLLEGE area - 200 acres - outstanding modern operation - for sale due to owner's health problems. Four BR brick house, restored and completely modern, 3 barns, 5 silos, and all equipment. Silos are full for winter. 185+ acres tillable limestone ground. Dairy barn has 87 free stalls. Real Estate $447,500.

NEW LISTING
HUNTINGDON COUNTY - 400 acres - 200+/- acres tillable, 75 acres pasture, 125 acres woodland. 50 free stall barn, expandable - excellent water. Beautiful five BR frame home - on low used State Highway.

MIFFLIN COUNTY - 750 acres, more or less, with 1 mile frontage on the Juniata River. 320 acres river-bottom and limestone farm ground, 230 acres +/- presently tilled. Dairy barn with milk parlor, second barn, frame house, stone house. 400 acres adjoining timberland with marketable timber. Owner will subdivide.

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HUNTINGDON COUNTY REAL ESTATE, INC.,
305 Penn Street,
Huntingdon, Pa., 16652
(814) 643-5010 ANYTIME!

MAILBOX MARKET

MAILBOX MARKET

For Sale 20 bred gilts, 3 way crossbred to Landrace boar, due to farrow Dec 10, big 4 yr old work horse, Ivan R Martin Jr, Rd 3, Glenwood Drive, Ephrata, PA 17522

For Sale Electric Hobart meat slicer, lard press, William Ayers, Lewisville, PA 215-255-4579

For Sale- JD 95 eb combine, 14 ft grain head, 4 row corn head, excellent condition, 609-397 0197

For Sale- 12" & 14" Oliver radex trailer plow, NI & NH hay crushers, 9 ft cultipacker, tractor tire chains, AC front end loader and plow, 210 bales hay Lancaster Co 717-786 3618

For Sale- 1976 Gore Deluxe combination horse and stock trailer, Thoroughbred size, garage kept, $2100, hay available Bel Air, MD 301-838-4986

For Sale 1 row corn picker, NH manure spreader, NI stalk buster, Oliver disc drill, NH elevator, JD 3 pt 3x16 plow 717-345 8815

For Sale 6 bred sows, due Dec -Feb, pickup truck Lebanon Co 717-838 4130

For Sale- Pony, rides and drives, black, 12 1 hands, large Palomino horse, very gentle both geldings 717-745 3543

For Sale- Walnut trees in pasture ground Call after 5 or Weekends 301 357-5326 Baltimore Co

For Sale- Golden retreiver pups, AKC registered, shots, 1976 Corvette, excellent condition, 30,000 miles, lower Schuylkill Co 717-943 2920

For Sale Rugged pair of old Bob sleds $225 or best offer, Rambler 1965, 70,000 miles $895 or best offer, Wm McPeak, Rt 46, Hackettstown, NJ

Wanted For Hauling silage from truck to barn, 4 WD or ¾ ton pickup with 4 speed trans, need not pass inspection, York Co 717-292 6361

For Sale- 2 snow blades, 4 ft wide and one rotary plow for gravely tractor, Berks Co 215-683 3658 after 6 p m

For Sale- JD 57 riding mower, VE 4 Wisc engine with clutch, Aaron M Reiff, 1935 Rothsville Rd, Lititz, PA

For Sale 1973 Pontiac luxury Lemans, dented rear fender $795, 18 cu ft Norge freezer $100, 40 gal hot water heater, Berks Co 717-866-4185

For Sale- Dry sawdust and shavings from cabinet plant, bagged or bulk Lancaster Co 717-354-9634

For Sale- Farmall hydro 70 diesel cab, 1200 hrs, wfe, like new, Gehl haybine, 12 A NI manure spreader, Surge milkers, 717-354-0266 Lancaster Co

For Sale 22 bred gilts to farrow Jan & Feb 717-367 3642 Dauphin Co

For Sale 2 Butcher hogs, around 300 lbs each, Ritchie heated cattle waterer $60, Lancaster Co 717-733 8434

Wanted JD snow blower to fit early style 110 or 140 For Sale- wide front axle for AC D17, Lancaster Co 717-548 2877

Wanted- Complete front end for MF Super 90 can be row crop or wfe For Sale- 2 row wide corn head for NH 890 harvester Dauphin Co 717-367-2033

For Sale JD 1020 rear hydraulic, oil fired hot water cast iron furnace with radiators $175 Harford Co 301 838 6196

For Sale- Approx 100 bu buck wheat York Co 717-456-7375

For Sale- NI PTO manure spreader, very good condition, 12 & 18 can milk coolers Lancaster Co 717 872 2544

For Sale Horse or large pony size spring wagon $425 firm Lancaster Co 215 273 3029

For Sale- Livestock trailer, 24 ft long 7½ ft wide, excellent condition 302-284-9327

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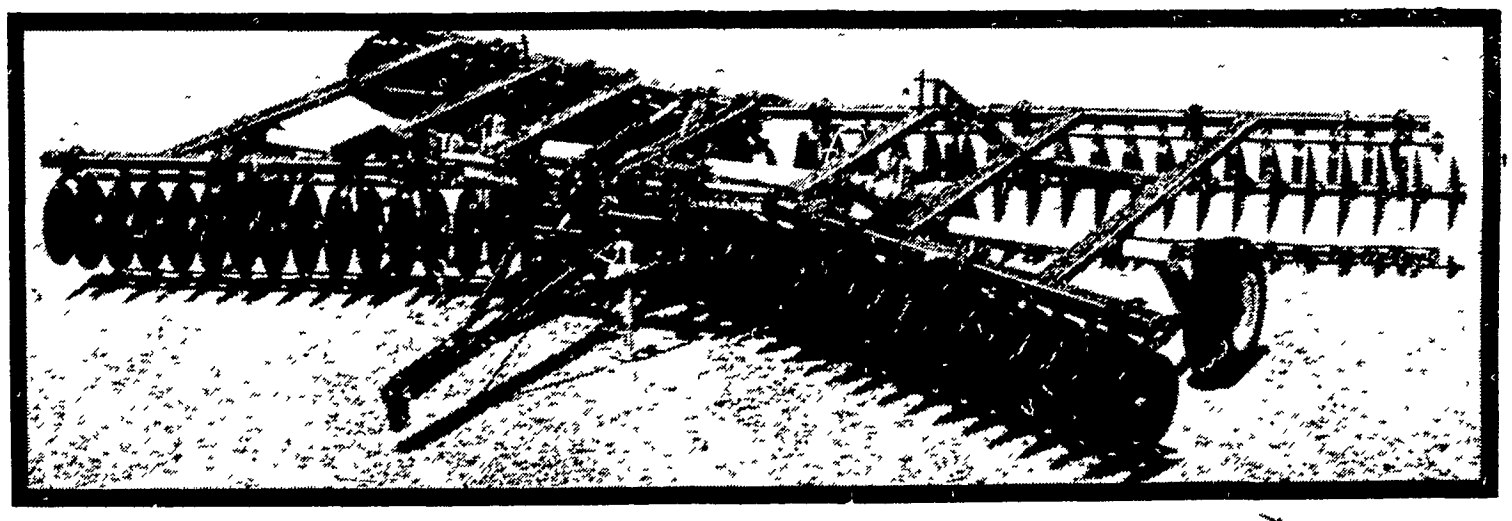
BECAUSE THEY HAVE:



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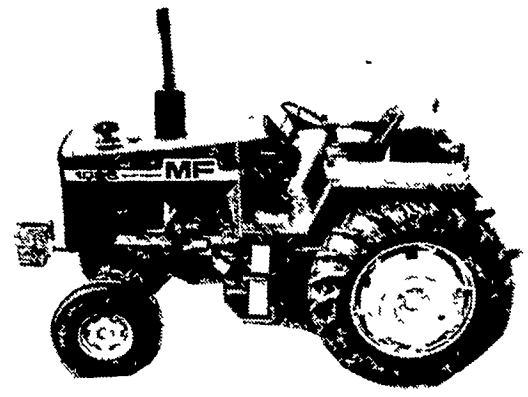
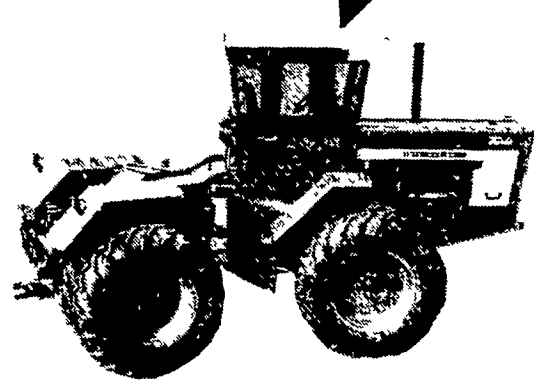
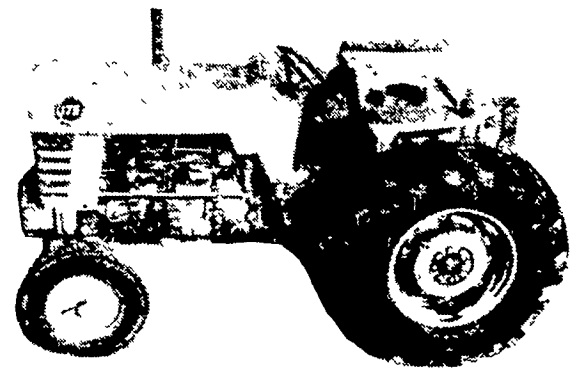
NOW YOU CAN OWN ONE OF THESE RECONDITIONED TRACTORS BY MAKING A SMALL DOWN PAYMENT NOW AND NO INTEREST OR PAYMENTS TILL 3/1/79.



MF - 1085D, w/16.9x38 Tires, 132 Hours. ..... $2700 Down



IH - 4366, 4 Wheel Drive w/dual 18.4x34 Tires. .... $5500 Down



MF - 175D, w/16.9x28 Tires, 2034 Hours. ..... $960 Down

RECONDITIONED TRACTORS

IH 4166, 4-wheel drive w/28.1x26 tires, $4800 down
IH F1568D w/duals, $4200 down
IH F1466D w/cab, $3500 down
AC 5040 diesel, $1100 down
IH I454 gas tractor w/new tires & paint, $1200 down
IH I454D tractor, $1200 down
IH Super C w/mower
IH Super C w/cultivator
IH Hough Loader, $2000 down
Oliver 1955 w/cab, $1295 down
IH 3300B loader, $1295 down
AC 1975 7030D w/dual 20.8x38 tires & cab

USED IH 454 Gas 800 hours, w/422 2 bottom plow, 122 Disk Harrow, 7 ft. 6" mower Like New, 1 owner, Package or Separate.

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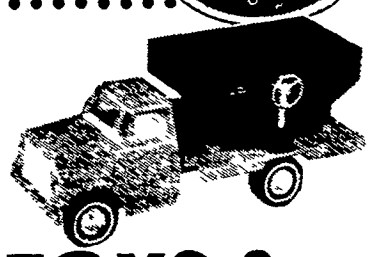
Toy SALE



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MAILBOX MARKET

For Sale- Lely hay tedder and rake, MF 3 pt 13 ft disc harrow, portable fluffer and grinder, Lancaster Co 717-267-3673

For Sale- 1 pr of geese, 215-273-3465

Wanted- complete Drawbar for Farmall AV, Montgomery Co 215-584-5939

For Sale- 6 #2 coilspring Montgomery traps, never used, new out of box, John M King, R2, along 222, Quarryville, PA

For Sale- JD M with cultivator and plow, fair shape with hyudraulic lift, Wanted- PTO shaft for Oliver 66, 717-354-9462

For Sale- 1 work horse, heavy White Rock rooster, approx 6 lbs , $.40 lb. live weight Abner Stoltzfoos, R3, Box 418, Lamparter Rd , Quarryville, PA

Wanted- Steel dump trailer, approx 25 ft , repairable, old army jeep, running or parts, 201-469-2710 Somerset Co.

For Sale- NH 516 manure spreader with hydraulic end gate, 200 bu Lancaster Co 717-354-9639

Wanted- JD corn binder to use or for parts, send price & condition, Henry B. Stoltzfus, Rd 1, Box 65, Gap, PA.

Wanted- Saddle, jumping, 19", prefer knee rolls and English or German made, Sound condition, A. J. Wellings, Rd 1, Nicholson, PA 18446 717-942-6747.

For Sale- Chest freezer, 17 cu. ft used 3 mo. $300, also 2 snowmobiles, one Ski-Doo 335 c c 1972, Rupp 400 nitro 1973, good condition $1000 for both, firm, Berks Co. 215-926-1452, after 7.

For Sale- Farmall B cultivator, 2 row cultivator, mowing machine $1500, 25 hp. snowmobile, electric start, new trac and under carriage, $400, 75 Suzuki 123 $375, Lehigh Co 215-756-6670

For Sale- Massey Harris 22 with 3 pt hitch and belt pulley, running condition, Washington Co , 301-797-3129

For Sale- 8000 bales good mixed hay, about 25 miles from Honesdale, PA George Schmidt, North Branch, NY 914-482-4469

For Sale- ¾ Border Collie pups, working background $10 Lancaster Co 717-665-5480

For Sale- Sleigh, painted ready to go, good as new $250, Adams Co 717-642-8722

For Sale- Complete line of rabbit equipment, standing and hanging cages, Lancaster Co 215-267-7425

Wanted- parts for final drive of G556 terratrac, same as smaller Case 717 567-3670

For Sale- Roller bearing buggy, good condition, Ben Esh, c/o Gideon S Glick, Rd 1, Leola, PA

Wanted- 200 yearling leghorn hens, 717 534-1253 Hershey, PA

For Sale JD 3020 diesel, wide front, power shift, 540/1000 Ind PTO diff lock, 3000 hrs $6900 York Co 717-244 4468

For Rent- half of double farm house 2 bedrooms near Adamstown, no house pets $165 mo 215 484 2170

For Sale Adorable 2 mo old Siamese kittens, Lancaster Co 717 626 4248

For Sale Plywood paneling, 4x8 sheets, $3 50 each multi color rug with foam back $70, Lancaster Co 717-733 8528

MAILBOX MARKET

For Sale- Bagged peanut hulls, 301-452-5122 eves

Wanted to rent or lease with option to buy- farm suited for hog operation, Berks Co 215-367-8931

Wanted- Used cement mixer, also person to help, just after Jan 1, 215-536-6967

For Sale- Nubian buck, beautiful spotted coloring, born 2-78, Foxhill sire and dam, placed reserve grand-champion at GSDGA show at 2 mo 215-257-3879

For Sale- DeLaval No 75 vacuum pump with new 2 hp motor $250, 717-626-5500 Lancaster Co

For Sale- DeLaval milkers with large pails, stainless steel strainers, Surge vacuum pump, 215-445-6816 Lan caster Co

For Sale- NI crimper with NH grass mower combination with 4 cylinder Wisc engine, good condition, Amos L Beiler, Loop Rd , Rt 4, Quarryville, PA

For Sale- Applebutter, blackstrap, honey, maple and sorghum syrup, peanuts, Red Run Country Foods, on Fivepointville Rd , Stevens, Pa

For Sale- Used MC choppers, needs some repairs, make offer, Berks Co 215-488-6816

For Sale- Registered Quarterhorses 15 to choose from 215-488-6914 Berks Co

For Sale- 900 Case tractor, good condition, Amos S Lapp, Jr., R1 Box 332, Strasburg, PA 17579.

Wanted- Baler, late model NH or IH with thrower, Montour Co 717-649-5320

Wanted- Black walnut logs, 2+ ft., state price and amount in first letter John Planishek, Rt 2 Box 27, Union Dale, PA 18470

For Sale- Int model 310 plow, 3-14" completely rebuilt, Int model 110 side mount mower, new bar, knife, guards, with cylinder, Chester Co 215-255-4798 after 6 p.m

For Sale Standardbred mare with lots of size and quality, ready for driving, 7 yrs old Henry R Miller, 2714 Creek Hill Rd „Leola, PA

For Sale- Railroad ties in trailer load lots 301-239-7375 day or eves

For Sale WD 9 diesel tractor on steel, good shape, 12 hole Pride-of-the-farm round hog feeder, cast iron bottom Alvin Lapp, Rt 1, Box 69, Gap, PA

For Sale Poultry manure $10 per ton, mushroom soil, $75 per load, dump trailer, M H Martin, Lancaster Co 717-859-3348

Fox Terrier stud service 717 354-7186 Lancaster Co

Wanted- JD 3800 Forage harvester, 814 267-4953 Leon Knepper Rd 1, Berlin, PA 15530

For Sale MM corn sheller drag line, BO, HD hydraulic cylinder 3 new JD cast iron plow bottoms IH No 2 12 ft spring tooth harrow 609 466 2273

For Sale Ford Bronco wheels, set of 4 like new $30 717 354 9127 Allen Z Martin Rd 3 Ephrata PA

For Sale Cattle and horse hay, excellent quality large or small amounts, also have 1000 bales of dry corn fodder no weeds 717 345 4489 after 6 Schuylkill Co

For Sale Simplex time clock model #53CAH H serial #30214AJ, $100 717 267-2036 or 267 3726 Lancaster Co

MAILBOX MARKET

For Sale- 7 ft Sauder snow blade $200, bucket for Sauder loader with dirt scoop, like new, Berks Co 215-693-5907

For Sale Hot water oil furnace by Penn Boiler, new 36" 3-lite left hand inside door Elmer B Stoltzfus, 102 S Ronks Rd , Ronks, PA

Wanted- Someone to repair woven cane basket, York Co 717-927-6770, York Co

For Sale- Sleighs Waterloo Cutter and small Bob sled, also Russian sleigh, excellent condition, Bucks Co 215-598-3220

For Sale- JD model 415 2B 14" plow, catagory I, 3 pt hitch, very good condition, no coulters $225, IH transport disc, poor condition $100 or best offer Chester Co 215-857-2433 after 6

For Sale- 2 wheel driving cart, roller bearing, good condition, VE 4 4 cylinder Wisc engine, just overhauled, LA Case tractor for parts, Aaron F Stoltzfus, Rd 1, Box 119, Gap, PA

For Sale- 5 yr old Standardbred carriage or buggy horse, safe and sound with papers, anybody can drive $680, Samuel A Stoltzfus, ½ mile east of Intercourse along 340

Wanted- Set of good used tracks for JD 40 dozer or any other make tracks that would fit same, 12" wide, 717-384-4220 weekdays 7 30-9 00 p m

For Sale- Large brown Duo Therm oil space heater with fan. Chester Co. 215-273-3010

For Sale- Small Monarch, 2 plate, coal & wood kitchen stove, like new $150, Fred Zuercher, N Shirk & Huyard, Rd 1, New Holland, PA after 4 p m

For Sale- 20x50 Harvestore silo, New Holland Area. 717-354-4158

Wanted- 1929 Model A, Fords only 215-933-2469

For Sale- 15 white feeder pigs, 40 lb average, 4 Chihuahua puppies, ready Christmas, 717-354-0293 Lancaster Co

For Sale- Purebred Yorkshire boars, bred gilts and open gilts, Carcass championship bloodlines, Willow Glen Farms, R2, Strasburg, PA 717-786-2562

Fine Selection of pleasure Tennessee walking horses $800-$1200, quality yearling & weanling colts, At Stud Senator's Thunder, black & beautiful 215-267-7311

Wanted Used Smidley hog shelters in good shape, 717 467-2035

For Sale- Ford 5000 diesel with cab, excellent condition, NH 276 baler with thrower, NI 272 cutditioner, Berks Co 215 488-7431

For Sale 1965 Jeep, J200 pickup, 4 wheel drive with Meyers snow plow $1500 Bucks Co 215-493-5528

For Sale- 10 Purebred Charolais cows, start freshening in January 717 683 5471

For Sale- 63 JD tractor on steel with 3 pt hitch, good condition, Walter Hoover, Rd 2 East Earl, PA East of Goodville on Rt 23

For Sale 18 can cooler $400 6 can cart $30, milk cans $10, all good condition, Jacob M Fisher, R2 Oxford, PA 1 mile west of Octario Lake from Rt 472

For Sale 1972 Mache I auto, 351 Windsor $1200, 1972 Honda 350 motorcycle $500 or best offer Lancaster Co 717-284-4780

HUNTING GAME IS HIT OR MISS BUT HUNTING FAIR PRICES AND FRIENDLY SERVICE IS RIGHT ON TARGET AT HERITAGE INTERNATIONAL!

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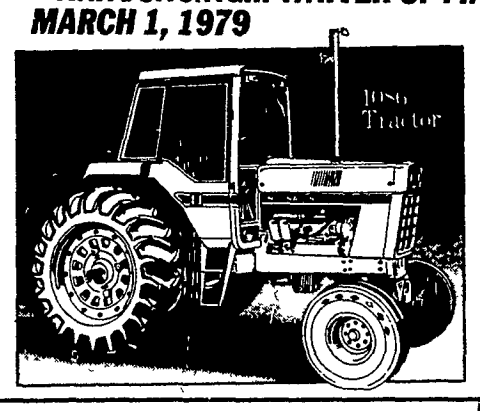
ANNOUNCING... WAIVER OF FINANCE ON USED TRACTORS TILL MARCH 1, 1979



USED TRACTORS

Farmall 1066D, new tires, low hours
Farmall 806D
Farmall 544, 3 pt. hitch
Int 3200A, skid steer loader w/2 buckets
Int 504
Farmall 460
Farmall H
(2) Farmall A's w/equipment
Ford 5000D, low hours, new tires
Oliver 1855D, very low hours
Oliver Super 88D w/NI loader
JD 2030D, used 1100 hours, excel
JD 730D

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These Tractors Will Be Sold At Tremendous Savings To You Because They Were Purchased Before New Price Increases

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New 720 w/2 Row Row Crop Unit and Hay Pickup $7990.00 One Only

New 830 w/3 Row, Row Crop Unit $9090.00 One Only

USED TILLAGE TOOLS

Int 370 Disk Harrow, 12'8 w/13 ft mulcher
Int 9A Drag type Disk Harrow
JD 12' Disk Harrow
Int 550 16" 5-bot Plow, new bottoms, new coulters, special price
Int 315 Packer Mulcher, 13', used very little

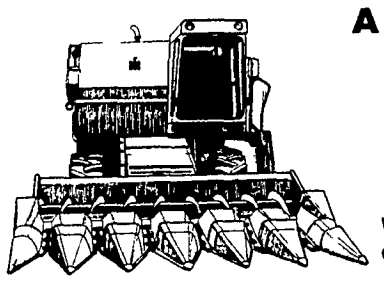
USED HAY & FORAGE MACHINES

Int. 46 Baler w/thrower
Int 990 7' Mower Conditioner
Fox IF546 Chopper w/2-row corn head & hay pickup
Int 550 Forage Harvester w/2-row corn head, 1000 PTO
Gehl Hylift Blower
JD #60 Blower
NH #23 Blower
IH 56 Blower

NEW 501 HEAVY DUTY TANDEM 12 FOOT, 5 INCH DISK HARROW

• With 24" Diameter, ¼" thick Disk $4995.00

WAIVER OF FINANCE ON NEW & USED COMBINES TILL SEPT. 1, 1979



A CREAM PUFF - 915D COMBINE

2 YEAR OLD INT. 915 D CORN & SOYBEAN SPECIAL COMBINE

w/6-row corn head & 15' platform, local machine, 500 actual hours of use.

This machine was never outside, always stored inside. We sold it new, We serviced it. This is the cleanest combine you will ever have the opportunity to buy.

Int. 205 Combine w/13' grain platform w/pickup reel & 2-row corn head, cab, Outstanding condition, 1 owner machine
MF 300 Combine w/2-row corn head & 13' platform, cab
JD 40 Combine w/2-row corn head & grain platform

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Int. 2400D Industrial Loader Tractor, New Discontinued Model, 3 pt. Hitch, Independent PTO, Priced To Sell.

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ATTENTION

Each mail box market ad must be accompanied by your Lancaster Farming mailing label, phone number with area code, and due to repeated requests, please include your county for buyer and seller convenience.

MAILBOX MARKET

For Sale - Int 400 snow plow, fits Int 2001, 2000 & 3000 series loaders, brand new, used only once, $400 or best offer, J Birch, Box 1403, Wall, NJ 08819

Wanted- Wood or coal cook range, good condition, reasonable Write P.O Box 331, Adamstown, PA 19501

For Sale- White 2-105 Miller offset disc, both excellent, Ford 861 with loader, Ford 4000, both good, Lawrence Co 412 667-7810

Wanted- 3 Day old Calves, Lebanon Co 717-838-4037

For Sale- JD 4400 combine, excellent condition with 13 ft grain head and 4-30" row corn head, Cumberland Co 717-486 7620

For Sale- Single pony harness, good condition, Free to good home miniature Collie female, 4 yrs old and spaded, Lancaster Co 717-665-6103

Registered Border Collie pups, excellent cow and sheep dogs, sire is a working sheep dog, Columbia Co 717-925 6576

For Sale- Straw & hay, $1.50 bale, 6 ft. rotary mower $325, Gehl 1500 round baler $3800, York Co 717-266-2867.

For Sale- 25 feeder pigs weighing from 35-40 lb. John R Esch, R1, Pennsy Rd., New Providence, PA.

Chimney Sweeping & slate roof repair, prevent chimney fires, professional equipment, time proven method, reasonable rates, 717-862-3527 York Co

Wanted- ½ to 1 ton electric hoist, 110 or 220, single phase, Chester Co 215-495-7787

For Sale- 71 Ford ½ ton pickup, 4x4, mud & snow tires, uses oil, $1800, pickup camper, self contained $700, Lancaster Co 717-354-9837

For Sale- Case 930 diesel Comfort King, WF, 3 pt, good rubber, good condition, MM 445 gas, both ready for field 301-582-1427

For Sale- Ford Jubilee with Wagner loader, motor completely overhauled $2250, Warm morning coal stove, model 400 $150, Lancaster Co 215-286-5638

For Sale- 1971 Dodge station wagon, Coronet, good condition, new inspection, reasonable 215-779-1669 Berks Co

Kill garden bugs, spiders, flies, insects, also mouse size choice $5 98 working novelity L Mollott, Box 104B Rd 1, Needmore, PA 17238.

For Sale- Registered Yorkshire boars, service age, bred registered Appaloosa mare, registered filly, 1½ yrs old, blanket with spots, 717-362-3149

For Sale- Fairbank Morse portable platform scale, 1000 lb capacity $1000, 50 ft. Mulkey belt conveyor, hydraulic drive, automatic lift $550, Lebanon Co 717-865-3857

For Sale- Corn stalk buster, int front end loader, 3 pt. 3 bottom plow, 1000 gal. fuel tank, delivery available, 717-[illegible]09 Schuylkill Co

Wanted to Rent- Farm ground in Eastern York Co. or Western Lancaster Co. 717-252-1077.

MAILBOX MARKET

For Sale- Int 3414 loader hoe, JD 112 mower with snow blower, Livestock bed for 1-2 ton truck Snyder Co 717-837-0323

For Sale- 48 Bass accordion, $35, Lancaster Co 215-445-6142

For Sale- Model A IHC tractor, jumbo tires special, snow plow and cultivator, Harold Rarich, Drums, PA 717-788-2463.

For Sale- Premium quality alfalfa, 1974 Dodge 300 with Hostetler combination grain and cattle bed, 14,000 license, Spring Run Farm, Adams Co 717-528-4914

Wanted- Electric water distiller For Sale- 16 ft wagon, V type, snow plow, 3 pt blade, angle snow blade, transport disc, silo blower, 717-345-8815.

For Sale- In time for Christmas, 2 yr. old halter broke filly, part Reg. Quarterhorse & part Reg Morgan, very gentle, 2 seated surrey, good for restoration, Wallace Post, Rd 2 Meadville Rd., Narvon, PA.

For Sale- 4000 Ford tractor, corn planter & disc, AC WD tractor, NI loader 717-272-5096.

For Sale- Sauder loader with manure fork and snow scoop, complete with mounting brackets, like new, Isaac S. Nolt, Box 255, Rd 1, New Holland, PA, north of Goods Furniture.

For Sale- 750 Esco milk tank, 60 gal hot water heater, 40 qt milk cans, 10 ton feed bin, Bucks Co. 215-249-3900

For Sale- Standardbred buggy horse, 3 yrs old, broke and sound, driven in buggy since spring, Daniel H. Martin, Rd 2, Stevens, PA (Red Run).

For Sale- Brittany Spaniel pups, wormed and shots, tails cut, will hold until Christmas with deposit. 215-777-7531.

Wanted- White pine, basswood, and cedar logs and standing trees, Amos S King, Rt. 1 Box 340, Kirkwood, PA

For Sale- 6 800.5x16 oval tires, $12 each, 2 good condition 8 hole hog feeders, $30 each, Dauphin Co 717-692-4501

For Sale- Owatonna 1000 skid loader with new engine, less than 15 hrs, good condition, 717-738-1327

For Sale- Silo- 2 metal 12x25, one block 10x25, good condition, metal rabbit cages, 301-692-6806 after 6 p.m Harford Co

For Sale- 59 Int. 10 wheels full screw, new 20 ton hoist, 16 ft body, 5 ft. sides, low mileage, grain blower with pipe, 717-345-1909 or 679-7521

For Sale- Horse related items, buggies, wagons, sleighs, harnesses & farm implements, 301-398-5696 after 7 p.m Elkton, MD

Registered Hampshire, Yorkshire and Landrace boars, Suffolk, Hampshire and Southdown Rams, Preston Bankert 717-244-1244.

For Sale- 100 choice feeder pigs, Lancaster Co. 215-445-5796.

Wanted- Surge Jet flow inflation shells, Enos K. Miller, Rd 1, Paradise, PA 17562 at Nichol Mines.

MAILBOX MARKET

For Sale- Ready to lay leghorn pullets, Lancaster Co 717-626-5555

For Sale- D5 Eggomatic egg grader, good shape $185, 12 hole hog feeder with lid, asking $65, Montgomery Co 215-723-6523

For Sale- 2 row wide Oliver corn picker $250, 4 ton Stoltzfus lime spreader, tractor drawn, 1800 loadster cab, wrecked 717-866-2091 Lebanon Co

For Sale- Starline 85 Sweep shuttle feeder for 75 ft bunk, used 7 yrs Franklin Co 717-597-7602

For Sale- IH baler with new bale thrower, angus heifer bred to Chinanina due Dec, black Dorset ram, Oxford ram, Cumberland Co 717-249-2003

For Sale- Surge Alamo 40 milker pump, Universal dumping station and 3 Surge bucket milkers, Union Co 717-523-3671

For Sale- AKC registered Min Schnauzer puppies $100, Cumberland Co 717-249-3102

For Sale- Hyd. cylinder, 3 in wide, 3 ft long for wood spliter $35, Ford pulley $45, jeep pulley $10, field force 3 pt sprayer with pump $95, York Co 717-235-2032.

Wanted-Used JD 900 silo unloader for parts, any size Adams Co. 717-528-4223.

For Sale- 4 White spoke wheels with 11L tires, 10", 15" rim 8 lug, excellent condition, $140, Lancaster Co. 215-445-5359

For Sale- Int TD 9 crawler, PTO, and/or pulley $1500, TD 9 for parts $300, OC 3 parts, under carriage, transmission, Lancaster Co. 215-445-6186.

For Sale- 10" IHC portable hammermill. Lancaster Co 717-626-7387

Wanted- Single kettle butcher stove with rings, write price and location to Box 1486 Rd 1, Spring Grove, PA 17362

For Sale- Herd of 16 Holstein cows plus 6 heifers, 15 registered. 717-698-6597

For Sale- 2 spotted Jennet Donkeys, Standard size, good conformation, color and disposition, can be registered, Juniata Co 717-444-2177

For Sale- Pom Eskimo pups, also German Shepherd pups. Daniel B Smucker, Rd 1, Gordonville, PA, Near Zeldenreich Church

Wanted- Herd of cows by Jan. 1, 1979, direct from farmer, send full details to David Zook, W Cattail Rd, Gordonville, PA

Wanted- 25 or 30 ft 8" or 10" grain auger, 717-445 5697 between 6-8 a m or p m

For Sale- 2 GR 78-14 radial snow tires on rims $75, used very little, Chester Co. 215-942-2090.

For Sale- Warm morning coal stove and 50 gal electric hot water heater C H Wenger, Rd 1, Ephrata, PA, 717-733-8974

For Sale- 8' snow V plow $350, JD 13 disc grain drill on steel $175, JD 12" hammermill $100, Bucks Co 215-536-5182

For Sale- snow plow for IH cub, bottom extension, used 1 hr, best offer, Chester Co 215-255-4374

For Sale- NI 14A ground driven manure spreader, 4 can milk cooler, both good condition, '53 Chevy for parts $75, Lancaster Co. 717-687-8536.

For Rent- ½ farm house for Mennonite couple $125 mo. Manheim 717-665-6460.

MAILBOX MARKET

For Sale- 1975 Jeep parts, 95 bu NI manure spreader $350, 16 ft hay wagon with sides $330, Chester Co 215-255 4804

Wanted- Small crawler with loader, any condition, Lancaster Co 717-733-0633

For Sale- Warm Morning oil burner $25, 5 Surge breaker cup milkers, complete $75, 2 big barn fans complete Berks Co 215-589-4454

For Sale- 3 15" wheels for 4 wd Ford truck For Rent- 6 room rancher in country setting, Christian non smokers, Lancaster Co 717-285-5532

Wanted- Used horse saddle in good shape Elias J Beiler, Rd 1, 2584 Siegrist Rd, Ronks, PA 17572

For Sale- King-Wyse potato grader, excellent working condition, original paint and pin stripes $25, Northumberland Co 717-758-8085

For Sale- 10 yr old Standardbred mare, Women can drive B. S Beiler, Rt 1 Box 85, S Vintage Rd, Christaina, PA 17509

For Sale- Restorable 1936 Ford truck and 1 6 ton fertilizer tender box 717-927-6254

For Sale- 50 Leghorn pullets, laying good, $1 each, Lancaster Co 717-426-3688

For Sale- Sausage stuffer with lard press $60, 717-263-4798

For Sale- 1 DeLaval flow view claw, used less than 1 yr. Amos E. Beiler, Star Rt, Box 77A, Rebersburg, PA 16872.

For Sale- Keeshond-Eskimo pups, 3 white & 1 dark like Keeshonds, 12 ft cast iron trough Benuel L. Fisher, N Cherry Lane, Ronks, PA.

Wanted- Used litter carrier track, send price and how many feet Marcus B Beiler, R2 Box 75G, Holtwood, PA 17532

For Sale- 69 VW convertible for parts, good seats, body and rebuilt automatic trans, Berks Co 215-683-8141.

Will the lady with the farm for rent who got a wrong number by calling 717-566-6798 PLEASE call again at 717-534-3660

For Sale- Warm Morning coal heater, small size, good condition, Annie Lantz, Rd 1, Musser School Rd, Gordonville, PA

For Sale- 3 hives of bees, very strong, also extra supers, Rishels Edlyn Farm, 1600 Penna Ave., York, PA 717-764-4586.

Wanted to Rent- House and barn for couple with teenage son and horses, reasonable rent, Strasburg- Gap-Quarryville areas 717-442-4259 Lancaster Co

For Sale- #12 NI manure spreaders, also used #8 spreader parts, Leroy B Esh, Ronks, PA 717-768-3681

For Sale- JD A good condition $900, Bedford Co 814-784-5893.

For Sale- large pot belly stove, also 2 Minnich tobacco bale boxes, all in good condition, Lititz 717-626-5532

Notice- To be sold Dec 7 in Garden Spot Sale, potential, VG Ivanhoe Jewel daughter due Dec. 24 to 15H 175, records to 17,000 717-687-8893

Wanted- Used cab to fit 1655 Oliver, Lancaster Co. 717-653-2325.

For Sale- Lynlou Farms bred and springing heifers, York Co. 717-259-9983.

MAILBOX MARKET

For Sale- Rome Beauty and Golden apples $5 bu, cider $1 25 gal Ben Z Shirk, Rd 4, Ephrata, PA 717-354-7209

For Sale- 35 Antique pine church pews, 124 yrs old, very plain and straight, 6'9½" to 13'9½", most are 7 ft Will sell 1 or all Lancaster Co 717-367-6168

Wanted- Recently fresh or close springing dairy goats, top dollar for quality animals, Triple Creek Farm 717-933-5765

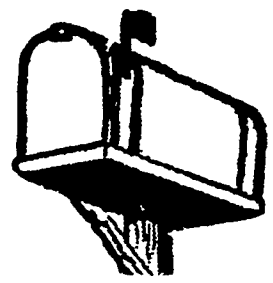
For Sale- 6 feeder pigs, 2 Keeshond pups, Lancaster Co 717-656-6712

For Sale- good square back sleigh $200, York Co 717-938-2372

For Sale- Baldwin - Hamilton piano, like new $1200, 717-687-7804

For Sale- Jersey heifer calves, 4 grade, 1 registered, age 2 weeks - 3 mo, any or all Tioga Co 717-724-5103

For Sale- Quilt frames, 2 Heatrolas, kitchen range with water tank, Lancaster Co 717-665-2513.



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Limit your advertisement to 20 words, each ad must be accompanied by your Lancaster Farming Mailing Label Also area code must be added to phone number and, due to repeated requests, please include your county for buyer and seller convenience; all advertisements must be in our hands by Tuesday at 5 00 P.M. or same will be held over for next week's paper; no business advertisements accepted.

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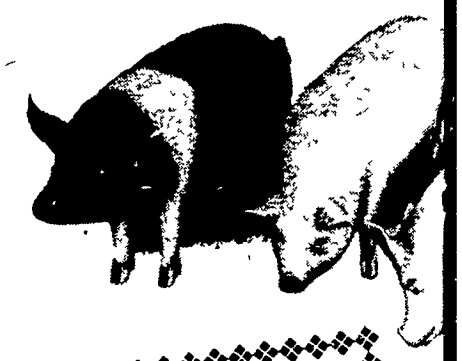
What's the new, improved method to promote healthy beef & swine stock?

It's as easy as A.B.C.



New, Improved A.B.C.#5 Probiotic Formula Gives Proven Benefits . . .

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PROBIOTIC CATTLE & SWINE FORMULA

A blend of viable primary microbial cultures for supplementing feedstuffs

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Dried viable primary cultures of Lactobacillus Acidolphilus, Lactobacillis Casei, Aspergillus Oryzae Torulopsis, Bacterium Bifidis, Corn Distillers, Solubles, Distillers Dried Grains, Thiamine, Niacin, Riboflavin, Pantothenic Acid, Vitamin B12, Pyridoxine, Folacin, Choline, Biotin, Inositol, Vitamin E, Arginine, Lysine, Methionine, Methionine & Cystine, Tryptophane, Histidine, Leucine, Isoleucine, Phenylalanine, Phenylalanine, & Tyrosine, Threonine, Valine, Glycine, Lactic Acid, Rice Mill By Product and Calcium Carbonate

DIRECTIONS FOR USE

WEANING CALVES OR INCOMING CATTLE Use 1-2 ABC FORMULA Number 5 Boluses immediately Then use 5 lbs to 90 head per day for first 30 days

BEEF CATTLE 1 lb per 20 head per day 5 lbs per ton in growing and finishing rations

SOWS Before breeding and during gestation 5 to 7½ lbs per ton of feed

SOW LACTATION 5 lbs per ton of feed

SWINE CREEP Two weeks of age to 40 lbs - 10 lbs per ton of feed

SWINE 40 lbs and up 5 lbs per ton of feed

GUARANTEED ANALYSIS

Crude Protein Minimum	2%
Crude Fat Minimum	1%
Crude Fiber Maximum	30%

NET WEIGHT 50 LBS.

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LANCASTER, PA 17601
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Bittinger, MD 21522

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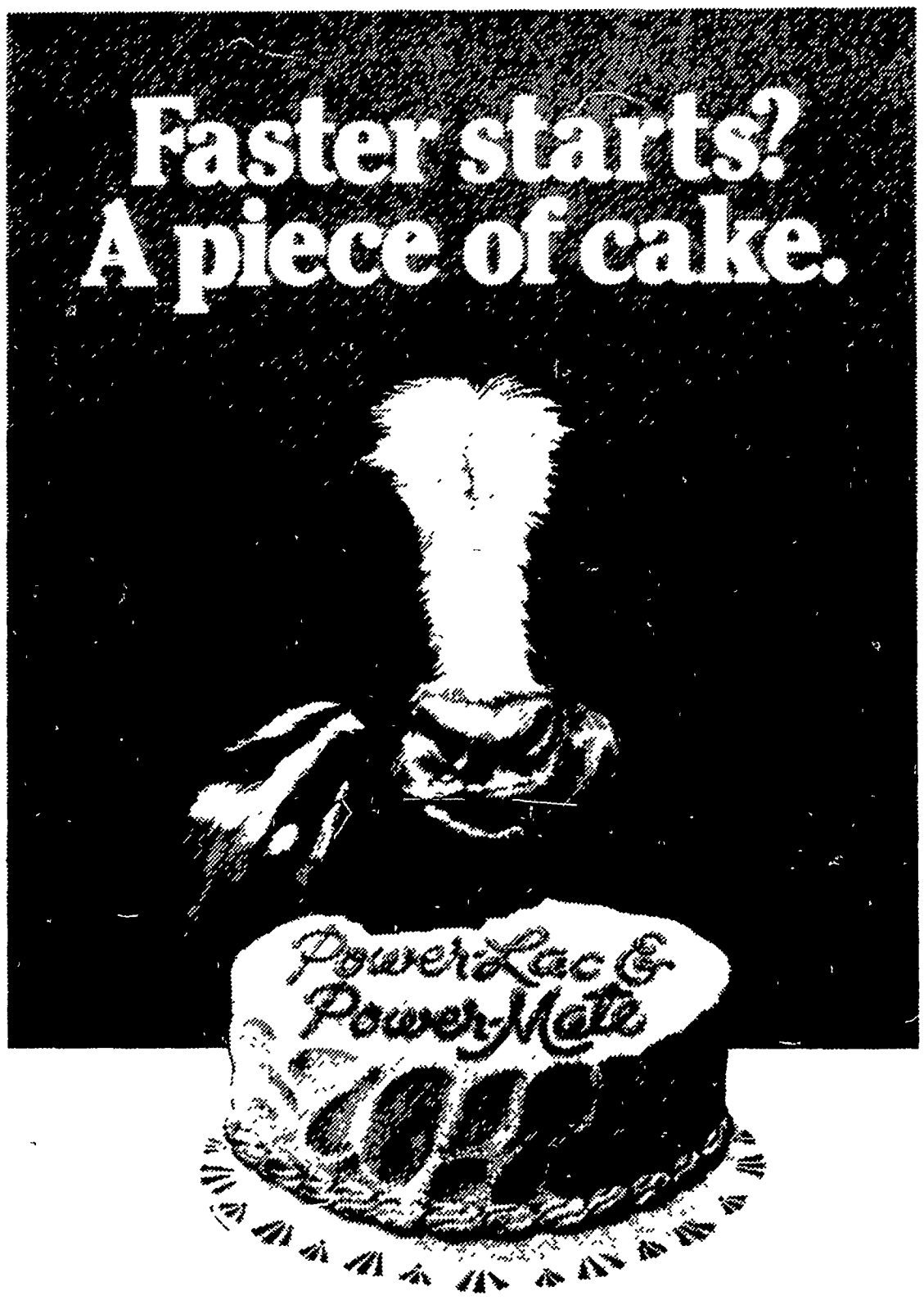
Zip _____

GIVE THEM THE BEST YOU CAN...

Power-Lac™ Milk Replacer



Open a bag of Power-Lac™ Milk Replacer and you'll instantly notice the pleasing aroma. An aroma your calves will take to quickly. Starts them fast, and keeps them feeding. The high-energy and balanced protein formulation triggers and accelerates earliest rumen development.

Start calves on dry feed fast with Power-Mate™ Offer Power-Mate free choice while feeding Power-Lac. You'll be surprised how fast calves take to this sweet, tasty starter feed.

See us today for the starter pair that gets your replacements into the milking string faster. Power-Lac and Power-Mate.

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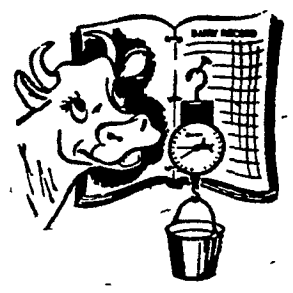
Cumberland County DHIA Monthly Report



DHIA REPORT FOR OCTOBER 1978

Cumberland County Dairy Herd Improvement records show that 6,740 cows in 117 herds were on production testing in October according to Duane G. Duncan, County Agent. Of the 94 herds on DHIA, 31 herds had an average fat production of 150 pounds per cow per day for the month. During the month 138 completed their 305 day lactation with 600 pounds of butterfat. DHIA supervisors working with the dairymen to improve efficiency include Mr. Harold Boldosser, 130 Old Gap Road, Carlisle, Mrs. Diane M. Cain, Box 277, Newville R3, and Mr. Jay Zeigler, Carlisle R1.

HIGH DHIA SUMMARIES FOR OCTOBER

OWNER BREED	NO. COWS	% DAYS IN MILK	LBS. MILK	% FAT	LBS. FAT
Alfred Gaisler B3	39	92	48.0	3.9	1.85
M. Thomas Sheaffer 3	49	88	47.3	3.7	1.77
Robert H. Jamison 3	29	88	46.1	3.8	1.73
Vallilea Farm B3	108	91	46.7	3.7	1.72
J.B. Brymesser & Sons B3	206	88	46.6	3.7	1.72
Donald L. Bashore 3	38	89	46.6	3.7	1.72
Elmer Gettle B3	44	80	44.1	3.9	1.71
Paul R. Cornman 3	40	91	45.1	3.8	1.70
Leroy Showaker & Son B3	61	88	43.7	3.9	1.70
Thrush Brothers B3	101	88	45.2	3.7	1.69
J. Shephard Wolf 3	38	96	49.7	3.3	1.66
Carl Kelso, Jr. B3	48	96	49.1	3.3	1.64
Fred B. McGillvray B3	39	89	42.0	3.8	1.61
Kenneth E. Zeigler B3	21	98	48.2	3.3	1.60
Paul O. Dyarman 3	58	93	45.5	3.5	1.60
Chester C. Weaver B3	70	83	42.9	3.7	1.60
Norman Hertzler 3	39	80	42.6	3.7	1.59
Chester & Galen Smith B3	101	90	41.9	3.8	1.59
D. Clinton Sauder B3	51	81	42.2	3.7	1.58
Berkheimer Farms B3	115	87	43.8	3.6	1.57
David W. Alexander B3	29	87	48.9	3.2	1.56
Edward L. Brackbill B3	34	91	41.9	3.7	1.55
Samuel D. Shenk B3	47	89	47.3	3.3	1.54
D.T. McCullough Unit 2 B3	98	86	41.9	3.7	1.54
Carl M. Haas B3	28	79	40.7	3.8	1.53
Fred Naugle 3	52	84	40.8	3.7	1.52
Harry & Paul Hoch 3	84	88	39.7	3.8	1.51
Paul Basehore B3	51	87	39.1	3.9	1.51
Roy E. Snoke 3	32	91	43.4	3.5	1.50
Willard Fought B3	25	86	40.1	3.7	1.50
Mark E. Leinaweaver B3	30	82	39.7	3.8	1.50

(Turn to Page 99)

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SPECIAL OF THE WEEK:
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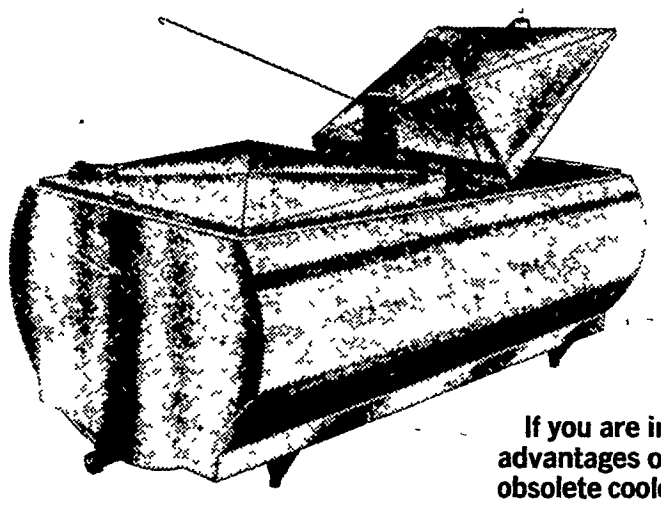
MUELLER
Bulk Milk Coolers



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★ 500 MW ★ 600 MW

The "MW" is one of the Lowest pouring Height Bulk tanks. Check with us all the new features of the "MW" bulk tank.

If you are in the market for a bulk milk cooler and you don't check all the advantages of the Mueller "OH" "MHL", and "MW" you may be buying an obsolete cooler.

USED TANKS

300 gal. Mueller
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400 gal. DeLaval
1 600 gal. Milkeeper
500 gal. Milkeeper
350 gal. Esco
425 gal. Esco
500 gal. Mojonnier
600 gal. Mojonnier
400 gal. Dari-Kool
D-2 600 gal. Girton
D-2 400 gal. Girton
500 gal. Wilson
2-400 gal. Jamesway
400 gal SOLD et

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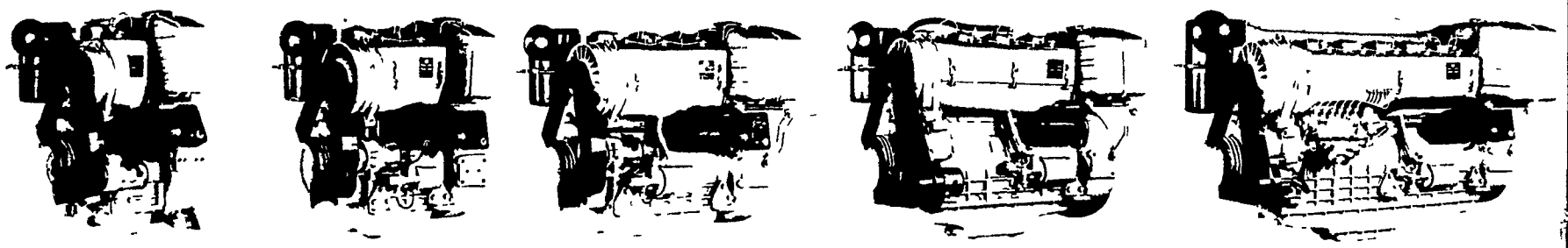

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2800 R.P.M. 44 SAE HP 40 DIN HP
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2800 R.P.M. 88 SAE HP 80 DIN HP
2800 R.P.M. 132 SAE HP 120 DIN HP

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- (4) SR2 Lister
- 1 - Bamford
- (4) DVA 1500 Slanzis

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24 HOUR SERVICE

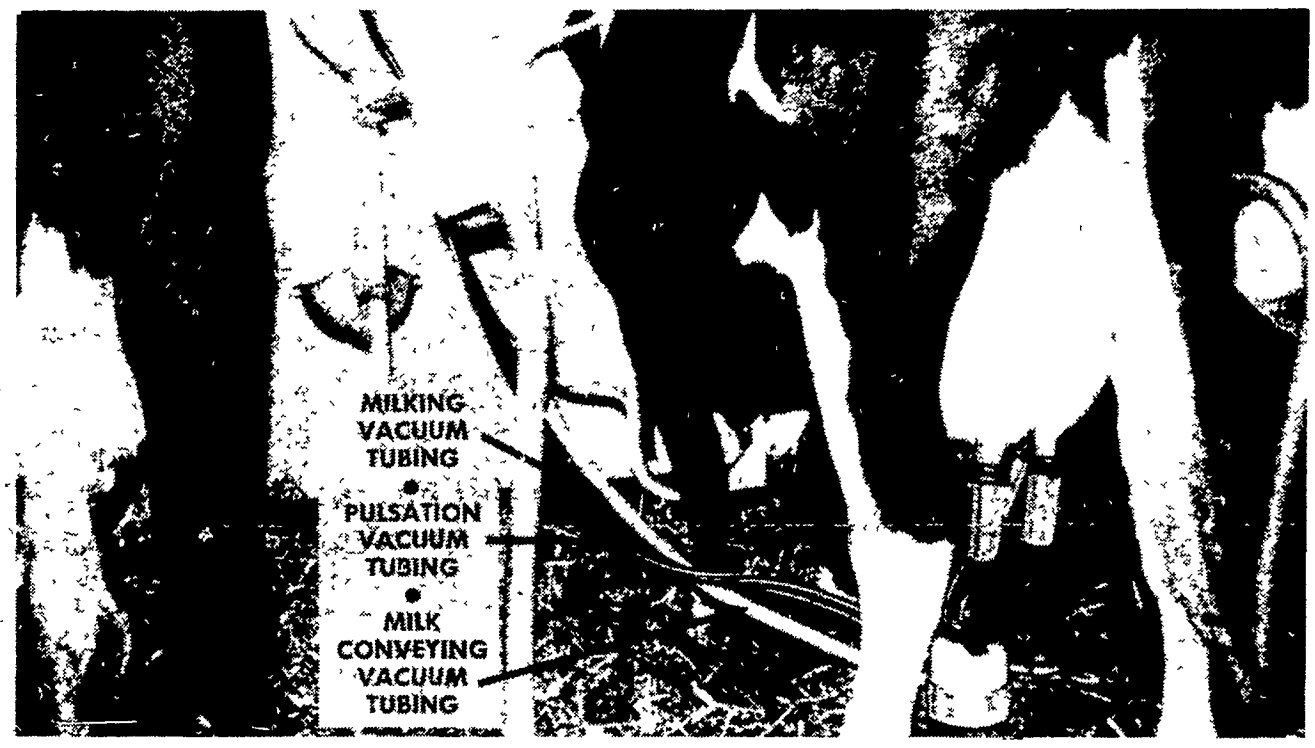
Cumberland County DHIA

(Continued from Page 98)

OWNER NAME OR NUMBER	AGE	LBS. MILK	% FAT	LBS. FAT
Fred Naugle				
Cristy	7	17,624	4.2	748
Laura	5	14,543	4.3	626
Alberta	6	13,169	4.6	601
Robert Strock				
Jay	4	20,302	3.0	619
Faith	6	19,584	3.4	657
Toots	5	19,337	3.8	726
Sandy	3	15,050	4.1	610
Norman Hertzler				
Fern	7	20,237	3.3	666
Kate	4	19,065	3.5	658
Lucky	3	18,711	4.0	755
Star	4	18,027	4.1	740
Bonnie	4	17,134	3.9	663
Flora	3	16,841	4.4	749
Sunny	3	16,479	4.0	653
Vallilea Farm				
140	7	19,333	3.7	721
96	3	18,630	4.2	775
99	4	17,797	3.7	659
36	4	17,603	3.7	659
John M. Lippart				
Mid	6	20,431	4.3	874
Maxine	10	16,555	4.3	708
Kruger Dairy Farm 2				
Quince	7	17,297	3.5	614
J.B. Brymesser & Sons				
198	4	20,698	3.2	667
110	5	18,673	4.2	777
Judy	9	17,669	3.6	633
Anita	13	15,427	4.4	684
Creedin C. Cornman				
Elva	11	19,438	4.2	821
Gerry	10	16,146	4.2	678
Lee G. Davidson				
Elva	6	18,570	3.7	686
Chester & Galen Smith				
Bertha	7	19,791	3.2	641
Star	8	18,890	3.9	738
Betsy	5	17,381	3.8	658
Pogo	6	15,184	4.4	663
Thrush Brothers				
19	5	19,735	3.6	716
11	5	18,727	3.7	692
41	7	17,495	4.4	767
46	8	17,141	4.2	720
50	5	16,836	4.1	691
Roy L. & James Miller				
13	5	21,443	3.4	725
51	6	16,089	4.5	727
Richard L. Lehman				
Holly	7	21,071	3.6	767
P. Lady	5	19,208	3.4	662
Pansy T.	8	19,107	3.4	655
Lou	12	16,525	3.9	651
Helen	7	15,732	3.9	607
D. Lehman				
72	4	18,098	3.7	670
Roy L. Coover				
15	3	16,541	3.8	628
74	2	16,358	3.9	640
Paul Strock				
Tippy	4	19,663	3.2	628
Paul O. Dyarman				
Fern	6	19,374	3.3	635
Margo	5	18,754	3.6	680
Allen Dairy Farms				
332	4	17,069	3.6	622
106	3	15,445	4.1	640
Harry & Paul Hoch				
Queenie	5	24,094	3.0	730
Frances	3	20.456	3.4	693
Laureta	10	17,637	4.0	709
Ellen	6	17,173	3.6	619
Judy	3	16,272	4.1	666
Roy J. & Merle Dice				
26	12	16,974	3.9	668
Alfred Gaisler				
Zippy	7	22,102	3.9	863
Empress	5	20,761	4.0	826
Paul E. Hornbaker				
137	3	21,756	2.9	633
3	6	19,816	4.0	796
59	7	19,019	3.9	750
136	3	18,400	3.9	723
79	5	18,397	3.4	629
87	6	17,957	3.7	669
135	4	17,424	4.1	715
142	2	16,386	3.7	602
70	7	15,147	4.1	628
Wilbur Weaver				
5	6	15,749	4.1	649
47	2	15,663	3.8	603
K. Hale & N. Burkholder				
Velva	7	20,660	3.7	756
Paul E. Peffer & Son				
Grace	8	18,763	3.8	706
Elmer Gettle				
Rose	3	19,245	3.6	686
Molly	3	16,501	3.7	616

(Turn to Page 100)

YOUR 1½ INCH LINE IS NOT OBSOLETE.



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USED 2" SURGE PIPELINE FOR MILKING PARLOR
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	List	SPECIAL
MF 1105 w/cab 105 H.P.	23,300.00	19,750
MF 275 Diesel 8 Speed Tractor (67 H.P.) High Clearance	14,272.35	11,700
MF 275 Diesel Multi Power Tractor (67 H.P.)	13,368.00	11,300
MF 285 Multi Power Tractor (82 H.P.)	16,200.00	13,750
MF 520 10 Ft. Disc Harrow	2,100.00	1,750
MF 468 4 Row Corn Planter	2,875.00	2,450
MF 110 Spreader	1,675.00	1,450
MF 160 Spreader	2,425.00	2,050
Hawkbilt 187 Spreader	3,158.00	2,950
Hawkbilt 207 Spreader	3,495.00	3,150
Gehl 250 Spreader w/Liquid Endgate	3,520.00	3,250
Gehl 350 Spreader w/Liquid Endgate	5,124.00	4,650
Gehl 120MX Grinder Mixer	5,435.00	4,500

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Cumberland County DHIA

(Continued from Page 99)

Larry L. Crider				
Babe 13	8	22,864	3.5	792
Pearl 10	6	20,348	3.6	740
D. Clinton Sauder				
Smiley	5	18,137	3.7	663
Carol	4	15,061	4.1	617
Fred B. McGillvray				
Reba	4	17,767	4.6	819
Laura	3	15,404	4.0	618
Ross H. Holtry				
5	2	14,587	4.3	622
Herbert B. Shughart				
Eve	4	21,244	3.2	678
Minnie	3	20,813	3.0	629
Molly	3	19,572	3.2	629
Margy	4	18,072	3.5	641
Frank J. Yost				
Pauline	8	17,596	3.4	605
Her Joy Farms				
Pearl	3	17,738	3.4	601
Jackie	6	17,041	5.0	846
Ashcombe Dover Dairy				
R132	7	22,896	3.2	731
R239	4	21,286	3.3	708
R295	3	19,216	3.5	682
R229	5	17,766	3.4	610
R253	4	17,001	3.8	642
R263	3	16,887	3.9	655
356	2	16,705	3.7	620
R194	5	16,027	3.8	603
218	5	15,510	4.0	626
150	6	14,760	4.3	633
R190	6	14,572	4.3	628
Leroy Showaker & Son				
April	3	21,443	3.2	680
Queen	4	19,241	3.8	736
Fancy	4	18,469	3.8	699
Fran	5	17,014	4.3	724
Gail	4	15,439	4.1	637
Cindy	12	15,011	4.0	607
John F. Stamy III				
221	6	21,714	3.6	791
73	5	18,466	3.6	656
35	3	15,865	4.0	639
Carl Kelso, Jr.				
17	7	18,886	3.6	688
35	10	18,729	3.4	631
Robert H. Jamison				
Chris	4	19,233	3.3	643
Mark E. Leinaweaver				
Betty	3	19,318	3.4	653
R. Rice & Amos King Jr.				
3	3	21,106	3.3	704
Carl M. Haas				
Anita	5	19,553	3.3	646
Oscar Nealy & Sons				
30	5	16,002	3.9	628
167	4	15,319	4.4	671
Harold E. Weaver, Jr.				
4	8	19,339	3.3	635
Ralph L. Deitch				
22	5	17,215	4.1	706
7	5	16,846	3.6	609
25	3	15,567	4.3	664
Berkheimer Farms				
96	3	19,320	3.7	718
20	4	18,127	3.6	661
George Stambaugh				
82	4	19,078	3.4	656
164	5	17,564	3.5	616
121	8	16,584	4.3	715
131	6	16,297	4.1	668
98	5	15,738	3.9	606
Henry & Yvonne Friese				
65	3	19,601	3.2	620
60	3	18,301	3.3	601
J. Douglas Martin				
85	5	17,875	3.7	663
34	5	16,944	4.2	720
Kenneth E. Zeigler				
Nellie	8	22,030	3.8	841
Jerry	4	17,458	3.7	642
Lee A. Hoover Jr.				
Bluebell	6	23,356	3.0	701
Nevin Shughart				
Fran	4	16,922	3.9	655

October food basket prices lower

HARRISBURG – The cost of the average retail food basket dropped an average of four cents in October, according to the monthly food basket survey report released by Pennsylvania Secretary of Agriculture Ken Shelhamer.

Shelhamer said the cost of the 14 food basket items sampled in rural and urban stores throughout the commonwealth in October was $10.78 compared to $10.82 in September. September's food basket cost had dropped 33 cents from the August figure of $11.15.

Shelhamer said the abundance of fresh farm products was the major reason for the drop in the food basket cost again in October. Coffee prices also continued to decline.

According to the survey by the Agriculture Department's Bureau of Rural Affairs, five of the six regions had reductons in the cost of the food basket ranging from 12 cents in the southeast-central to 28 cents in the northeast. The southwest region showed the only increase in cost, registering a 78-cent hike.

The southwest region also showed the highest price of the food basket in the state at $11.28. In September, the northeast region had registered the highest regional cost at $11.06. Lowest cost of the food basket in October was in the northcentral region where it cost $10.48, a 22-cent decline from the previous month.

The difference in the cost of the food basket purchased in urban stores versus rural stores in October was 2.52 per cent. Rural shoppers paid 27 cents more for the same food items as their urban counterparts in October, compared to a 26-cent difference in September.

The savings in purchasing storebrand rather namebrand varieties of selected food basket items in October increased from the ten per cent recorded in September to 11 per cent in October. The statewide average cost of the selected food basket items was $6.89 for storebrand goods compared to $7.64 for namebrand. Eight products, selected to allow consumers a consistent choice between namebrand and storebrand varieties, were sampled for the comparison.

Items decreasing in price in October were fresh pears, from 50 to 45 cents a pound; whole chicken, from 65 to 64 cents a pound; eggs, from 86 to 81 cents a large dozen; and coffee, from $2.88 to $2.81 a pound.

Items increasing in price were sugar, from 24 to 25 cents a pound; bread, from 41 to 43 cents a pound; ground beef, from $1.26 to $1.28 cents a pound; and American cheese, from $1.76 to $1.79 a pound.

Items costing about the same were patoatoes, 12 cents a pound; cabbage, 18 cents a pound; canned peaches, 39 cents a pound, canned corn, 35 cents a pound; shortening, 64 cents a pound; and cornflakes, 70 cents a pound.

Shelhamer said the October average of 14 food basket items sampled in the southeast central counties was $10.51 compared to $10.63 in September.

Counties in the southeast centrul region include Perry, Dauphin, Lebanon, Lancaster, Cumberland, York, Adams and Franklin.

The monthly survey, conducted by the Department of Agriculture's Bureau of Rural Affairs, compared the price of 14 sampled food basket items in both rural and urban stores throughout the commonwealth.

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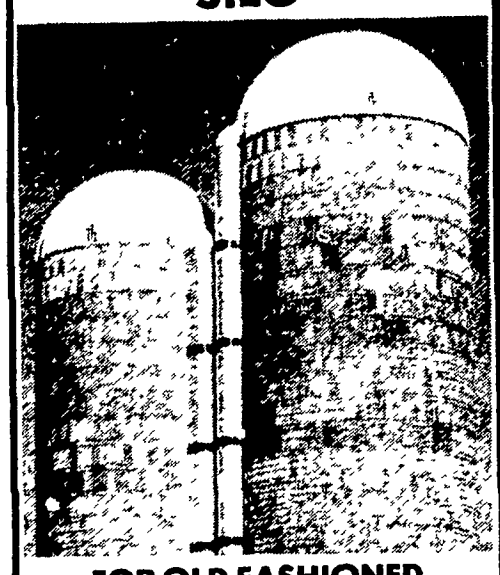

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Eastern Pa. 4-H beef and lamb roundup held

ALLENTOWN -- The grand champion steer was exhibited by David Huff, Montgomery County, weighing 1150 pounds at the Bucks, Carbon, Lehigh, Montgomery, Northampton and Schuylkill Eastern Pennsylvania 4-H Beef and Lamb Sale, November 18, at the Allentown Fairgrounds. The buyer, Dan George, George's Foodliner, Westgate Shopping Center, Bethlehem, paid $2.00 per pound.

Carol Krause, Lehigh County, showed the reserve grand champion steer weighing 1250 pounds which was sold for $.96 per pound. The buyer again was Danny George of George's Foodliner.

Zettlemoyer's Auction Company, Breinigsville, R1,, purchased the champion light weight steer weighing 978 pounds for $.67 per pound. This steer was exhibited by Dianne Troxell, Schuylkill County.

The reserve champion lightweight steer weighing 901 pounds sold for $.69 per pound and was bought by Danny George's Foodliner, Bethlehem. The steer was exhibited by Brian Ruch, Lehigh County. Alan Miller, Northampton County, showed the reserve champion middle weight steer, weighing 1040 pounds and was purchased by Woody's Market, Weaversville for $.68 per pound. Carol Krause, Lehigh County, showed the reserve champion heavyweight steer, weighing 1250 pounds and was purchased by Danny George's Foodliner, Bethlehem for $.96 per pound.

The grand champion individual lamb, weighing 108 pounds was sold at $3.50 per pound to Hess's Market Place-Butcher Shop, Terry Hentzel, Manager. It was owned by Gail Snyder, Lehigh County. The grand champion pair of lambs, exhibited by Ruth Grim, Lehigh County, was purchased by Danny George's Foodliner, Bethlehem. The Pair of Lambs weighed 216 pounds and was sold at $1.70 per pound.

Danny George also purpair of lambs, shown by Gail champion lamb for $1.00 per pound. This lamb was exhibited by Bethann Nehoda, Bucks County, and weighed 108 pounds. The reserve grand champion pair of lambs, shown by Gail Snyder, Lehigh County, weighed 194 pounds and was purchased by Gehmans, Inc., Morwood, Pa. for $.95 per pound.

The champion heavyweight lamb was purchased by Danny George's Foodliner, for $.90 per pound. The lamb weighed 111 pounds and was exhibited by Andy Wagner, Northampton County.

The reserve champion lightweight lamb, weighing 78 pounds was sold at $.80 per pound to DeToni's, Schnecksville. It was owned by Kevin Reinert, Lehigh County. Reserve champion mediumweight lamb, weighing 108 pounds was sold at $1.00 per pound to Danny George's Foodliner, Bethlehem. It was owned by Bethann Nehoda, Bucks County. Paul Drissel, Sr. purchased the reserve champion heavy weight lamb for $.90 per pound. The lamb was exhibited by Ruth Grim, Lehigh County, weighing 125 pounds.

The sale, as was the show on Friday, was conducted by the Agricultural Extension Service, with the county agents of the six counties in charge. The auctioneer was Ralph Zettlemoyer.

Average price per pound of the steers with the grand champion included was $.73 per pound, without the top, the average was $.71 per pound. Last year's averages were $.56 and $.54.

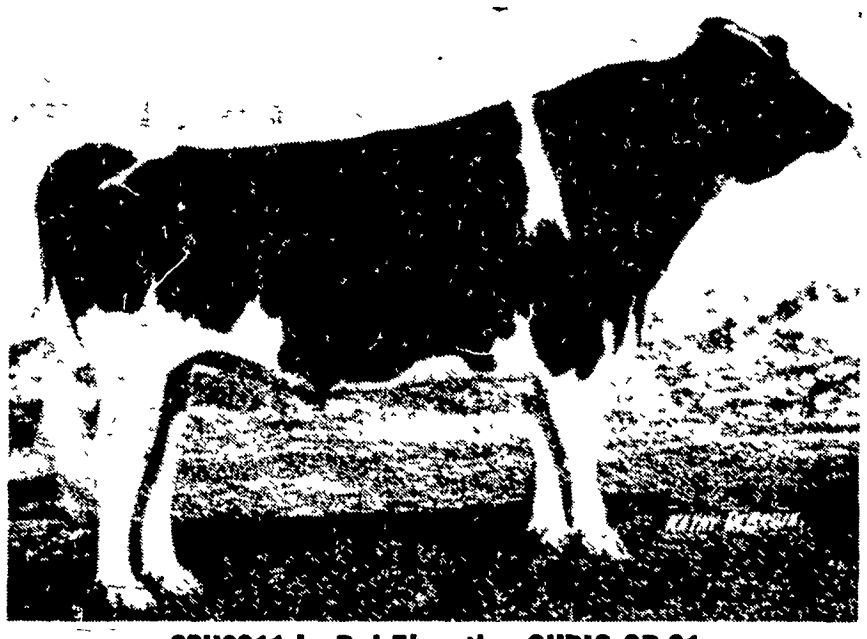
Average price per pound for the lambs with the grand champion included was $1.04 per pound, without the top, the average was $.97 per pound. Last year's averages were .$70 and $.67.

The total weight of the 52 steers in the sale was 56,560

(Turn to Page 131)

Terry Hentzel of Hess's Market Place Butcher Shop, Allentown, purchased the grand champion lamb, exhibited by Gail Snyder of Lehigh County.

NUMBER ONE FOR MILK +2,156



29H2811 Le-Del Elevation CHRIS GP-81

USDA, 7-78 Rpt. 63%
+$161 **+2,156M** −.25% +37BF
HFA, Fall 1978 Rpt. 64%
PDT +0.03 TPI +395

Sire: Elevation EX-96 GM
Dam: A VG Bootmaker EX-94 GM

CHRIS's sire is +1,495M, his Maternal Grandsire is +1,263M. Both are plus on type. CHRIS's maternal line is strong with many VG and EX cows.

Use CHRIS for rear udders, medium stature, wide level rumps, and fast milk-out. CHRIS will also improve will to milk. CHRIS has 2 daughters who have already exceeded 30,000 lbs. of milk!

NUMBER ONE FOR TYPE +2.19

29H2845 Oak-Hillranch KIT EX-93 TQ

USDA, 7-78 Rpt. 61%
+$ 24 + 423M −.10% + 1BF
HFA, Fall 1978 Rpt. 49%
PDT **+2.19** TPI +296

Sire: Burkgov Kit VG-88 GM
Dam: An EX-95 Astronaut EX-GM

KIT's Dam is EX-95, his paternal Grand dam is EX-92-3E, his sire is VG-88-GM, and his Maternal Grand sire is EX-GM. KIT himself is EX-93. That's type!

KIT is siring above average udders, stature, strength, wide level rumps, correct rear legs, and outstanding feet and pasturns.

The Genetic Mating Service (GMS) will help you use CHRIS, KIT, and the other fine ABS sires in the best possible way. After your herd is evaluated by a Professional Evaluator, the computer can make up to 2,000 decisions for the best possible mating. Contact your local American Breeders Service Representative for complete details.

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Ephrata, PA	Darvin Yoder	717-733-0966	Reading, PA	Robert Greider	215-378-1212
Leola, PA	Lynn Gardner	717-656-6509	Richland, PA	Paul Martin	717-866-4228
Holtwood, PA	Paul Herr	717-284-4592	Thomasville, PA	Ira Boyer	717-225-3758
Columbia, PA	James Charles	717-898-8694	West Grove, PA	Maurice Stump	215-869-9187
Newville, PA	Jerry Babonis	717-423-6451	Port Deposit, MD	R James Benjamin III	301-378-3540

ABS AMERICAN BREEDERS SERVICE ®

Chester County DHIA Monthly Report

A cow named Carmel, owned by Jacob K. Stoltzfus, was high for the month last month with 1157 pounds butterfat. Aged three years, ten months, she completed her record in 305 days with 25,067 pounds of milk, and 4.6 per cent fat

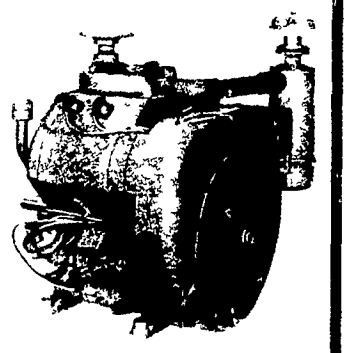
High in milk in the lactation report was Walmoore No. 1 cow No. 407, an eight year old cow that produced 25,576 pounds of milk. She had 3.3 per cent fat and 835 pounds of butterfat.

OCTOBER 1978

OWNER BREED	NO COWS	% DAYS IN MILK	LBS MILK	% FAT	LBS FAT
John S. Stoltzfus 3	61.3	90.0	57.1	4 0	2.28
Jacob K. Stoltzfus 3	53.6	90.3	48.6	4.5	2.21
E. Richard Hoopes B3	54.7	84.6	50.4	4 2	2.13
Benjamin K Kauffman 3	27.8	92.8	49 6	4.2	2.06
Melvin M. Stoltzfus B3	33.7	85.4	51.0	4.0	2.04
Jefferson D. Yoder 3	59 5	90.7	51.9	3.9	2.00
David Windle B3	40.7	93.5	51.1	3 9	1.97
George P. Lamborn B3	36.3	81.0	48.0	4.0	1.94
Ardrossan Farms 8	117.0	85.2	47.3	4.1	1.93
Dean Roland B3	68 8	87.9	51.5	3.7	1.93
Herman Stoltzfus B8	49.4	88.2	52.0	3.6	1.86
David Walton 3	50.0	89.0	48.1	3.8	1.84
J. Elmer Lapp B3	38.5	90.8	47.4	3.9	1.84
Ben S. Beiler 3	48.1	81.2	45.1	4.1	1.84
Paul M. Snader B8	29.3	90.8	44.2	4.1	1.83
Leon D. Kurtz 3	33.4	87.5	46.8	3.9	1.82
Paul King 3	85.8	95.5	45.8	4.0	1.82
Walmoore #3 B3	129.8	88.3	49.9	3.6	1.81
James V. Yale B3	60.4	91.3	44.6	4.0	1.77
Kimberton Farm School, Inc. 2	64.0	93.2	36.4	4.8	1 76
Richard Proud B3	57 7	82.3	44.0	4.0	1.76
Kauffman Bros. 3	65.5	85.9	43.4	4.0	1.75
Walmoore B3	133.8	90.7	50.4	3.5	1.74
Walmoore #1 B3	152.7	89.7	47.2	3.7	1 73
Harvey C. Waltz B8	83 4	89.9	43.8	3.9	1 70
John S. Smoker B3	39.1	89.5	45.1	3 8	1 70
H. Wayne Graybeal	49 0	93 4	44.7	3.8	1 70
John M. Umble 3	46.7	85.4	42.1	4 0	1.69
Newton Evans, Jr. 3	91 4	83.9	43.5	3 9	1 69
J. Harold Bare B3	61.3	77 8	46.1	3.7	1.69
Harold Umble 3	43.5	85 5	45.0	3.7	1.68
J. Raymond Harnish B3	77.3	85.5	43.7	3.8	1.68
H. & R. Mason 3	121.6	88 5	43.8	3 8	1.66
Mast Stoltzfus B3	58.0	88.6	44.8	3.7	1.66
Merle J. King B3	81.3	90.8	42.4	3.9	1 66
Allen S. Hoover B3	154.8	85.1	43.3	3 8	1 66
David K. Stoltzfus B3	41.6	79.8	44.7	3.7	1.66
S.R. & M J. Matthews B3	24.4	85.8	43.1	3.8	1.64
Ronald F. Elliott B3	71.5	84.2	41.9	3.9	1.63
Joel Brown B3	108.3	90.0	47.4	3.4	1.63
John L. Fisher B3	17.0	88.7	41.1	4.0	1.63
S.R. & M.J. Matthews B3	23.1	84.8	40.9	4.0	1.63
Floyd Miller G3	49.6	83.2	41.5	3.9	1.61
Quiet Valley Farm 8	49.0	85.6	40.8	3.9	1.60
Mrs. John B. Hannum, 3rd G3	77.3	80.8	39.9	4.0	1.60
Willowland Farm B3	59.9	86.6	43.6	3.7	1.60
Lloyd Mast & Sons 3	82.6	87.9	40.0	4.0	1.59
Charles H. Gable 1	50.8	79.2	37.9	4.2	1.58
Harold R. Kulp B8	94.2	86.5	40.9	3.9	1.58
Jonas Z. King B3	35.0	76.1	43.7	3.6	1.58
Richard Hostetter B3	84.9	82.8	41.1	3 8	1.58
H.R. & H L. Brown B3	147.6	87.3	44.6	3 5	1.57
Henry S. King B3	48.2	86.3	43.3	3 6	1.56
John P. Kauffman B3	40.8	91.2	42.8	3.6	1.56
Marsh Acres Farm B3	94.2	90.2	41.4	3.7	1.55
Mildred Seeds 4	13 0	85.1	28.3	5 5	1.55
Jonas E. Stoltzfus 3	34.0	89.9	40.0	3.9	1.54
Elam Petersheim B3	70.4	84.8	48.2	3 1	1.51

(Turn to Page 103)

WISCONSIN ENGINES



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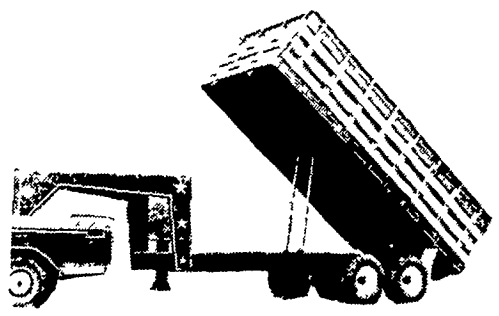

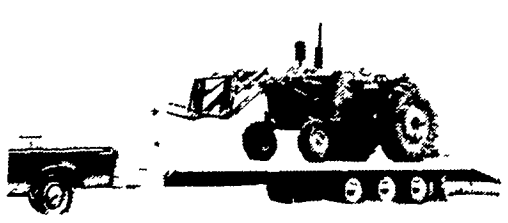

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81 Daughters in 67 Herds Average	16,240M	3.6%	589F
Predicted Difference (80% rpt.)	+853M	+$63	+14F

H-FA Type (Sept./78) — 28 Cl. Daus. Ave. 79.3 (age-adj.)

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Chester County DHIA

(Continued from Page 102)

Wilmer L. Hostetter					
B8	40.8	91.1	39.2	3.9	1.51
Edgar Miller					
B3	43.8	86.7	40.0	3.8	1.51
Vernon Guest & Son					
B3	71.3	76.7	40.6	3.7	1.51
Simon A. Zook					
G3	60.8	85.2	42.2	3.6	1.51

LACTATION REPORT

OWNER NAME OR NUMBER	BREED	AGE	DAYS IN MILK	LBS MILK	% FAT	LBS FAT
Jacob K. Stoltzfus						
Carmel	3	3-10	305	25,067	4.6	1157
Sunset	2	7-8	305	24,702	4.3	1070
Mistress	3	8-1	305	20,961	4.8	1003
Cola	3	6-11	305	21,424	4.1	889
Elberry	3	4-6	305	22,973	3.8	877
Portrit	3	2-2	305	15,811	4.6	730
Della	3	3-4	305	17,019	4.2	723
Kauffman Bros.						
Bert	3	6-1	305	20,794	4.9	1015
Jefferson D. Yoder						
#50	3	8-0	303	23,257	4.3	1011
#33	3	8-11	297	23,315	4.3	992
#64	3	5-11	305	18,847	4.8	910
#19	3	4-3	305	26,490	3.4	905
#88	3	3-2	305	18,780	3.8	717
Ben S. Beiler						
Noel	3	10-3	305	24,277	3.8	934
Lloyd Mast & Sons						
#58	3	6-1	305	21,365	4.2	890
#55	3	5-1	305	18,508	4.8	882
#56	3	6-2	305	22,441	3.3	734
#14	3	3-5	295	16,493	4.4	728
James V. Yale						
#41	3	6-4	305	22,978	3.8	882
Richard Proud						
#132	3	6-11	305	20,244	4.3	880
David Windle						
Pat	3	5-5	305	22,319	3.9	878
Denise	3	4-11	305	20,413	4.1	829
Beulah	3	3-11	305	17,025	4.2	719
Allen S. Hoover						
#106A	3	4-2	305	22,078	3.9	871
#119	3	3-2	305	23,928	3.5	836
#64A	3	4-7	305	18,585	4.4	824
#19	3	9-3	305	21,569	3.6	778
#39	3	9-1	305	22,396	3.3	749
#68	3	8-4	305	21,296	3.4	733
#7	3	8-1	291	19,101	3.8	725
George P. Lamborn						
Axie	3	4-1	305	21,859	4.0	870
Arlene	3	3-0	305	22,945	3.7	859
Rebeka	3	3-0	300	23,742	3.4	819
Lena	3	5-1	300	20,450	3.7	756
Delcy	3	5-1	305	20,754	3.5	723
Connie	3	2-1	305	16,919	4.2	713
Samuel B. Acker						
#325	3	6-6	305	23,666	3.7	866
#394	3	5-1	305	21,270	3.9	837
#400	3	4-10	305	20,572	3.7	770
#426	3	7-1	305	16,244	4.4	720
Walmoore #3						
#413	3	4-2	305	21,575	4.0	861
#485	3	11-2	305	23,972	3.4	811
#412	3	4-4	305	18,648	4.2	777
John M. Umble						
Bena	3	5-1	305	20,624	4.2	861
Stella	3	12-0	305	17,884	3.9	700
Elmer A. Mast						
Hope	3	6-5	305	21,406	4.0	848
Hazel	2	5-3	305	20,639	3.8	792
Herman Stoltzfus						
Clare	3	7-4	305	22,696	3.7	839
David Walton						
Sue	3	9-1	305	24,591	3.4	836
Judy	3	7-5	305	19,416	4.1	789
Walmoore #1						
#407	3	8-5	305	25,576	3.3	835
#474	3	8-1	305	20,746	3.5	722
Paul B. Lapp						
Madge	3	7-9	305	22,364	3.7	827
Paul M. Snader						
#47	3	5-10	305	22,296	3.7	826
#39	3	6-4	305	21,441	3.6	773
Mrs. John B. Hannum 3rd						
#43	3	4-1	305	18,265	4.5	817
Ardrossan Farms						
Leh Hope	1	6-3	305	18,016	4.5	816
SV Even	1	8-0	305	20,525	3.9	808
Sul Kate	1	4-8	279	19,844	3.7	735
Del Rose	1	4-5	305	17,769	4.0	711
Gottlieb Strohmaier						
Cindy	3	7-5	305	21,774	3.7	814
William E. Parry & Son						
#121	3	5-1	305	20,727	3.9	814
#437	3	3-11	305	20,086	3.6	732
Henry S. King						
Star	3	5-3	305	22,179	3.6	809
Elsie	3	4-7	305	17,833	4.2	757
Sadie	3	4-8	305	17,949	4.0	719
J. Elmer Lapp						
Mary	3	5-1	305	20,239	4.0	809
Christy	3	5-9	305	17,083	4.6	794
Harvey C. Waltz						
#84	3	5-4	305	23,389	3.5	807
#117	3	4-10	305	20,262	3.5	703
Milton & Joyce Edwards						
#9	3	7-7	305	16,787	4.8	802
#44	3	6-8	305	17,584	4.1	725
J. Kenneth Landis						
Vickie	3	6-11	305	25,201	3.2	799
Kulp Bros.						
Judy	3	7-5	288	18,055	4.4	799
Walmoore						
#66	3	6-6	305	22,298	3.6	797
#535	3	3-3	305	19,193	4.0	763
#142	3	7-2	305	18,400	4.0	731
#837	3	4-0	305	17,053	4.2	712
Brynoced Farms, Inc.						
P 439	3	4-9	305	22,968	3.5	794
Merle J. King						
Festa	3	6-9	305	20,072	3.9	790
Harold Umble						
Rose	3	5-4	305	21,015	3.8	789
Ronald F. Elliott						
#156	3	3-8	305	19,647	4.0	787
Omer S. Smoker						
#104	3	7-11	300	19,536	4.0	784
#48	3	10-3	305	18,291	4.0	732
Aaron Burkholder						
#22	3	5-1	305	17,606	4.4	781
H. & R. Mason						
#15D	3	6-4	305	20,419	3.8	777
#33G	3	4-7	305	16,704	4.3	715
Willowland Farm						
Liz	3	3-2	305	21,219	3.7	776
El	3	6-6	305	18,348	4.1	748
Benjamin K. Kuaffman						
H Model	3	6-1	305	17,746	4.4	774
Elam Petersheim						
Patsy	3	3-4	305	20,840	3.7	772
Jewel	3	3-3	290	19,514	3.6	709
Ken Brown						
#49	3	8-8	305	19,117	4.0	768
Christ L. Stoltzfus						
Pearl	3	7-3	305	19,108	4.0	768
Lena	3	4-1	305	18,784	4.1	766
Lester Eby						
Della	3	3-0	305	23,403	3.3	762
S.R. & M.J. Matthews						
#8	3	4-1	305	19,873	3.8	762
#1	3	6-0	300	20,156	3.6	732
Round Top Farm						
#4	3	5-7	305	19,511	3.9	757
#56	3	4-11	305	20,791	3.6	741
#16	3	4-6	305	19,489	3.7	730
#48	3	5-7	305	21,364	3.4	726
Paul King						
Blugill	3	5-3	305	21,881	3.5	756
Eugenia C. Madrira						
Charman	2	5-6	305	18,505	4.1	754
H.R. & H.L. Brown						
#14	3	5-2	305	18,367	4.1	752
John R. Groff						
Polly	3	5-8	305	17,050	4.4	748
George Steele & Sons						
#162	3	4-8	305	18,788	4.0	747
#29	3	5-5	299	18,901	3.8	709
#78	3	8-2	305	18,228	3.9	706
E. Hershey & Kauffman						
#78	3	6-3	305	19,445	3.8	745
Newton Evans, Jr.						
#16	3	6-2	303	16,217	4.6	742
Wilmer L. Hostetter						
#28	3	5-5	305	20,143	3.7	740
Floyd Miller						
#47	3	4-3	305	19,744	3.7	740
Tom Halladay & Son						
Seabee	3	5-10	298	15,822	4.7	736
Vernon Guest & Son						
Tina	3	5-0	305	18,214	4.0	735
Dolly	3	4-10	300	18,527	3.8	710
Melvin S. Stoltzfus						
Setora	3	2-0	305	16,030	4.6	734
Jonas E. Stoltzfus						
P Queeen	3	4-2	305	18,293	4.0	733
Timothy Kauffman						
Snooky	3	4-6	305	21,426	3.4	731
Earl Mast						
Silky	3	6-5	305	20,625	3.5	731
Dean Roland						
#32	3	11-1	305	18,590	3.9	730
Quiet Valley Farm						
Lena	3	5-0	290	15,665	4.7	730
Elvin P. Graybill						
#771	3	6-1	295	19,870	3.7	727
Landis S. Reid						
#86	3	4-2	278	17,856	4.1	725
Kenneth J. Roberts						
#11	3	3-2	305	16,618	4.3	714
Arthur D. Hershey						
Viola	3	4-9	305	17,013	4.2	712
W.B. Dixon Strowd						
#14	3	8-2	305	19,270	3.7	707
Howard Swavely III						
#28	3	4-1	305	19,891	3.6	707
#4	3	6-1	300	18,703	3.8	705
Jonas Z. King						
#19	3	4-4	305	20,009	3.5	705

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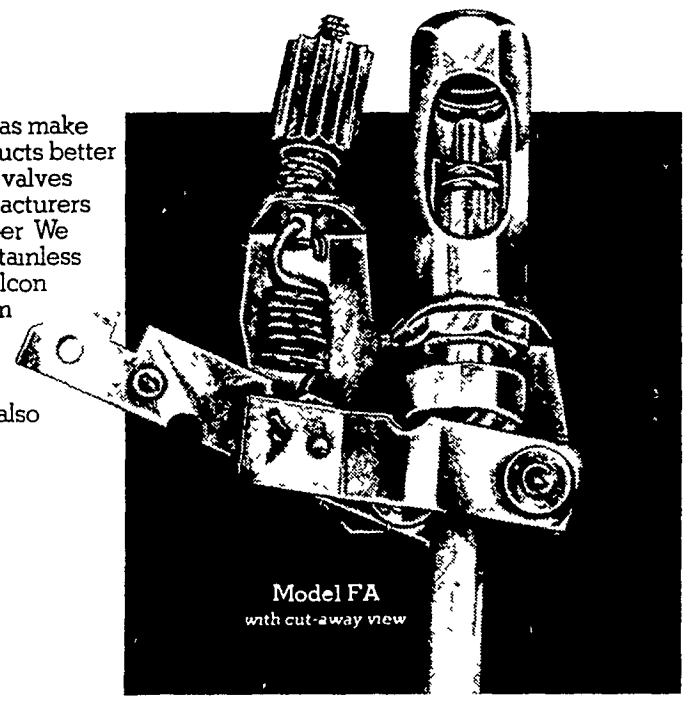

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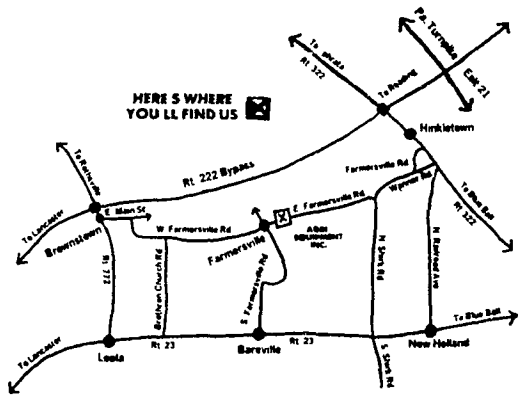

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Farm exports expected to increase

By JERRY WEBB
University of Delaware

NEWARK, Del. — As important as farm exports are to American farmers and to the American economy, they're not a cure-all for agriculture's ills. That seems to be the consensus of a number of leading agricultural economists who say that farm exports won't pull American farmers out of their economic doldrums in the near future.

It's fairly obvious looking at the predicted 1978 crop supplies that the export market won't buy it all. Granted, a lot is being done to improve U.S. farm exports but so far it just isn't enough, and looking toward the future it isn't sure enough for farmers to plan on.

As far as the U.S. is concerned the real problem seems to be foreign trade barriers–those nasty little quotas, tariffs and levies aimed at protecting foreign farmers from low priced U.S. farm commodities. The European Economic Community can add almost $3 to a bushel of corn worth only $2 in the United States. This is done through a variable levy system designed to support farm prices in certain European countries.

All countries seem to have trade barriers of one kind or another so American farmers can't scream too loudly – they don't want Canadian beef brought into this country and yet they would like to export as much of our surplus grain as possible.

The economists say that given the fact that U.S. farmers can produce grain more cheaply than farmers in Europe and many other countries, trade barriers are especially detrimental to U.S. agricultural exports. And, in the long run, doing away with trade barriers would help American farmers. But that's not the way it works. Everybody likes competition but only for the other guy, not for himself. U.S. steelmakers don't like Japanese competition. U.S. automakers don't like Japanese or German competition. So we have our quotas and tariffs and they have theirs.

To protect its farmers the Japanese government guarantees purchase of all the rice farmers can produce at four times the world market price. The result is a mountain of surplus rice. Four million tons, in fact, that the Japanese government must somehow deal with. The effect of that has also been to reduce Japanese purchases of U.S. wheat.

Tariffs aren't the only problem to expanded U.S. exports. There are some other countries out there trying to export also, and some of them are willing to sell food at lower prices. Argentina, for example, has increased agricultural exports by about two-thirds since 1976. And the experts think Brazil may be exporting as much food as the U.S. by the mid-1990's. Malaysia plans to double its annual production of palm oil in order to take advantage of the world oil markets.

There's no question that current levels of grain exports have helped American farmers tremendously. Certainly they would like to export even more if prices and policies would allow this. Meanwhile they have the capacity to produce so much more grain than can be consumed at home that their prices remain in a depressed condition. And like their own crop production here at home, their export opportunities depend on the weather more than anything else. If there's a short crop somewhere else in the world because of dry weather American farmers may benefit. On the other hand, if the world crop for a particular commodity is good everywhere at the same time, American farm prices can be seriously affected.

The expects believe 1978 exports to the western European countries will remain below last year's level because of larger crops in those countries. Eastern Europe had another good crop year but they see some opportunity for increased imports. Also, Japan and the near East countries may be stronger buyers this year.

Uncertainty still surrounds the exports market to both the Soviet Union and China. Both countries have been trying to produce their needs at home and to limit their dependence on U.S. commodities. The experts say China will buy U.S. wheat only if other sources are unable to supply its needs and that eastern Europe and Russia are reluctant to increase the large deficits they've already accumulated in their recent trades with the U.S.

So it's a confusing picture to the U.S. farmer who watches his crops ripen and struggles with his harvest, not knowing what the final price will be. Ironically, if his yields are good, his prices may be poor. It's very difficult to win in that kind of economic game.

xxx

Ninety years ago, a volcanic explosion equivanent to a hundred hydrogen bombs almost entirely destroyed the Indonesian island of Krakatoa. What portions of the island that did not sink into the sea, were covered under a blanket of ash 200 feet thick. But in just two years' time, vegetation had reappeared: 15 species of flowering plants, 11 of ferns and 2 of mosses.

4-H club meets

FLEMINGTON, N.J. — The Beekeeping Club awarded the 4-H hive to Jeffrey Foster, 16, Bloomsbury, N.J., at their November 18 meeting, held at the home of member Bob Goeller, Hampton.

Club leaders, George Foster, and J. D. Dittson, discussed winterizing hives and showed the proper way by using Bob Goeller's hives.

The next meeting will be held on December 16, at 2 p.m. at the home of George Foster, Bloomsburg. They will use bees' wax to make wax candles and other novelties.

Anyone age 9 to 19 who is interested in learning more about beekeeping is invited to attend this meeting. One can call Foster at 609-479-4455 for more information. This program is sponsored by the 4-H Youth Development Program of the Cooperative Extension Service, Rutgers University.

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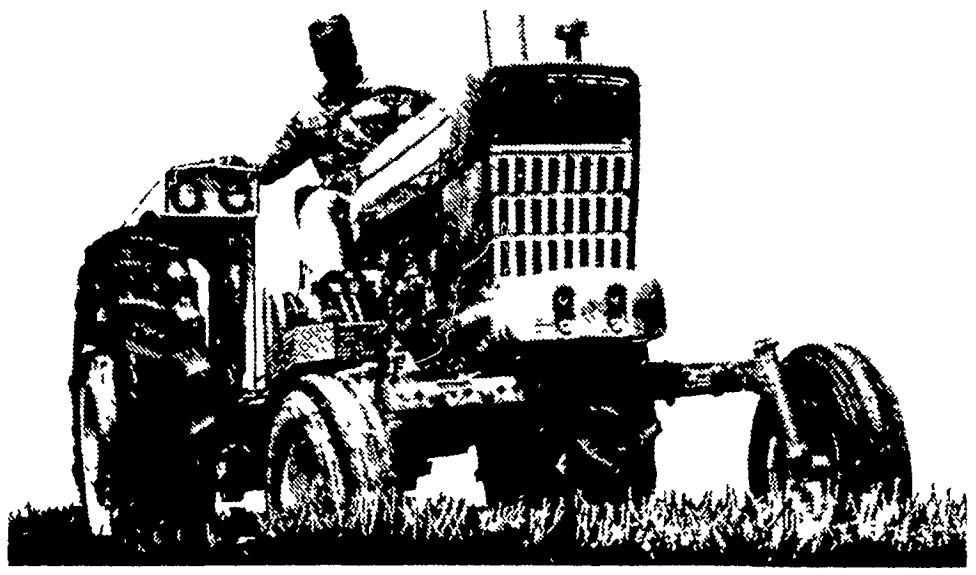

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Gradual growth is foreseen for sheep industry

DENVER, Colo -- A resurgence of the long-declining American sheep industry is near at hand, according to the Executive Director of the American Sheep Producers Council (ASPC), and with it will come dramatic opportunities to provide desperately needed food supplies to developing countries throughout the world.

In recent addresses to 125 newspaper food editors in Los Angeles, and 60 magazine food editors in New York, Richard D. Biglin said the new demands from the Middle East alone have the potential for consuming the total American sheep and lamb crops.

"We're (the world) over four billion population now ... and we'll double that again in 30 more years," Biglin said. "Somehow these masses of people must be fed and clothed and that's particularly tough in the developing nations ... but, the sheep is a magnificent animal, beautifully equipped to help fill the food and clothing gaps."

The food editors, representing major publications from across the United States, were briefed on current activities of the sheep industry which are aimed at reversing the 35-year decline in numbers.

"Our continuing challenge is to bring our supplies up so we can keep gaining meat case space in comparison with other meats," Biglin stated. "We know the demand is there ... that is the purpose of the Blueprint for Expansion program ... to expand production to meet that demand," he added.

The ASPC executive said that sheep industry growth

Richard D. Biglin

in the West continues to be hampered by predators. The total loss of lambs and sheep to coyotes in 1974 was "very close" to one million head, according to Biglin. He related that loss to approximately 50 million pounds of lamb in stores and supermarkets and placed the direct cost of losses to producers at $27 million during that time period.

However, the annual rate of decline in sheep numbers is slowing, and the forecast for the immediate future is for gradual growth.

Recent statistics from the United States Department of Agriculture indicate a six per cent increase in ewe lambs held for breeding flocks in 1978. However, Biglin said, producers will have to withhold from slaughter 20 to 25 per cent of their ewe lambs for the expansion program to be effective.

The immediate problem for most producers is one of economics, according to the ASPC official. "In a good lamb market situation, when prices are high, there is a great profit incentive to sell lambs when they are market ready," Biglin said. "You must realize that each sheep producer makes his own buying and selling decisions. The industry can only educate and persuade producers to withhold these ewes."

The editors were told that the sheep industry expansion program is working well in the farm flock areas of the country; that new developments in genetics and breeding are resulting in lamb crops of up to 200 per cent in some areas; and that confinement management of sheep from birth to market may be the wave of the future for the industry.

Referring to lamb meat as the "gourmet feast of antiquity" and the "meat of the future," Biglin assured his audiences on both Coasts that the American sheep industry is on the right track at last and is, without question, in the throes of being "born again".

Swine meeting to be held

NEWARK, Del. - A swine management meeting has been scheduled for Thursday, December 7, at 8 p.m., at the University of Delaware's Georgetown Substation.

Featured speaker at the meeting will be Dr. David Spruill. Extension swine specialist at North Carolina State College. He will speak on the subject, "Tips for Greater Pork Profit."

For further information, contact Delaware Extension livestock specialist Dr. Richard Fowler, or call 302-738-2505.

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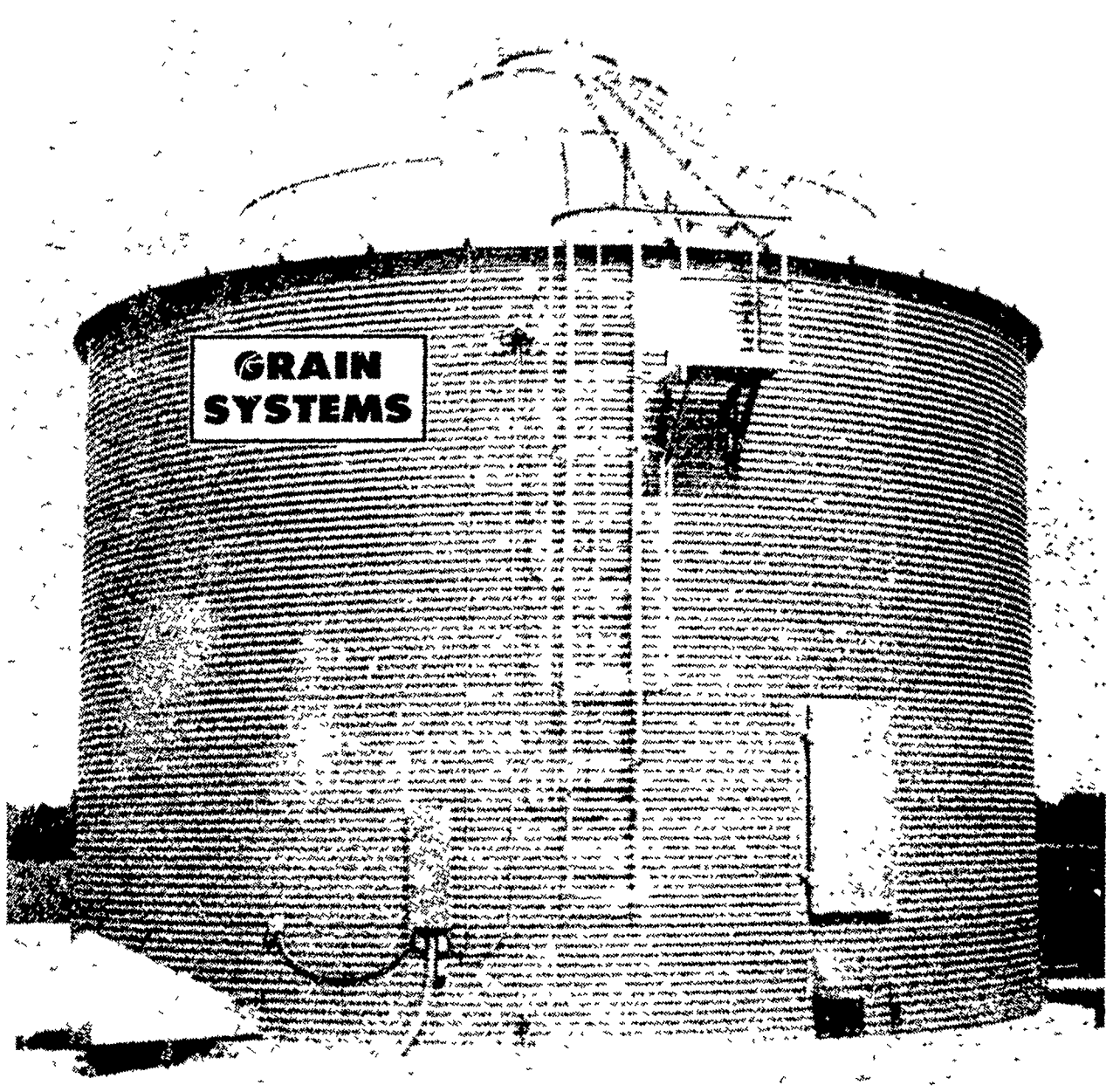

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Maryland wins 6th in poultry contest

COLLEGE PARK, Md. – This year's Maryland 4-H poultry and egg judging team finished a respectable sixth in the national contest, held November 16 in connection with the North American Livestock Exposition at Louisville, Ky.

The team placed third among 18 competing state teams in judging market poultry.

Debbie Jackson, 14, of Port Deposit, likewise placed third among all individuals in the market poultry division, and she was sixth in judging eggs.

Craig Banks, 15, of Pocomoke City, placed tenth in egg judging at the national contest.

Other members of the Maryland team were Robert Dowling, 18, of Montpelier and Ellen D. Brown, 15, of Rising Sun.

The Maryland team members had been top four individuals in senior 4-H poultry and egg judging competition on August 29 during the Maryland State Fair in Timonium. Miss Brown and Miss Jackson were also members of Cecil County's state championship team.

Coaching this year's Maryland team in national competition was Dr. Charles J. Wabeck, Extension poultry science specialist at the University of Maryland's Eastern Shore research substation near Salisbury.

Assisting with the team's pre-contest training were William C. Merka, Extension poultry science specialist at the University of Maryland in College Park, and Thomas O. Meredith, Jr., of Cordova, Maryland egg law supervisor for the State Department of Agriculture.

Also, Theodore A. Haas of Snow Hill, Extension 4-H and youth agent in Worcester County, and Janet L. Shank of Elkton, Extension agricultural and 4-H agent in Cecil County.

Maryland 4-H poultry and egg judging teams have won national championships at least five times in the past 42 years. This record includes victories in 1937, 1949, 1956, 1961 and 1962.

And during the era from 1928 to 1940, the state's 4-H poultry and egg judging teams never finished lower than third in national competition, according to Wade H. Rice, Upper Marlboro, Extension poultryman at the University of Maryland in College Park from 1922 to 1961.

Roscoe N. Whipp, Rockville, recalls that he was a member of a Rice-coached team which won the national 4-H poultry and egg judging contest in 1937. And he was the first-place individual in the contest. Whipp retired in 1973 after nearly 31 years as a county Extension 4-H and youth agent in Montgomery County.

Grange deliberates on national issues

DENVER, Colo. – During their fifth day of deliberations, delegates attending the 112th Annual Session of the National Grange in Denver, Colo. voted recently to support measures which would restrict the purchase of U.S. farm land by non-resident aliens for investment purposes. They also called for reducing or eliminating favorable tax treatment presently afforded foreign investors.

In an effort to further develop foreign trade the Grange favors an expansion of export credits to aid in moving farm products into protected markets and those without adequate foreign exchange. The delegates also called for a more liberal Commodity Credit Corporation export credit policy combined with granting most-favored-nation status to the Soviet Union and the People's Republic of China. They said that this would be a means of increasing grain and soybean export sales and help improve farm income.

They also support the passage of a counter-cyclical bill which would reduce foreign beef imports when domestic supply is in surplus and allow increasesd imports when domestic supply falls below the level needed to maintain adequate supplies of meat to consumers.

The Grange also called for a balanced budget and warned against reducing taxes without cutting spending at the federal level.

They also reaffirmed their support of the Capper-Volstead Act and expressed opposition to any legislation which would repeal the present provisions of the Act as it relates to agricultural co-ops.

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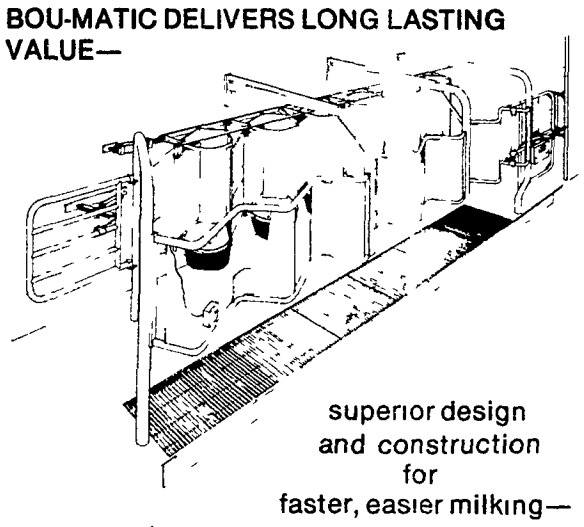

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Progress reported in controlling corn borers

NEWARK, Del. – In the wake of last season's heavy outbreak of first brood European corn borers in corn, a lot of Delaware growers and industry personnel are wondering about the likelihood of similar outbreaks in the future. One question many of these people are asking is: "What are entomologists at the University of Delaware doing to help predict these outbreaks and improve control of the corn borer?"

"Plenty," is the reassuring answer from Extension pest management specialist Mark Graustein, who reports that researchers in the University's department of entomology and applied ecology are coming up with some promising ideas on how to lick this serious pest.

According to Graustein, the department has long considered the ECB one of Delaware's major crop pests and has directed research efforts towards its control. At present about two-thirds of its current research on crop pests is devoted to the ECB.

This research (which is funded through the Delaware Agricultural Experiment Station) approaches the problem of corn borer control from several directions: biological, chemical and cultural practices, as well as the development of techniques for predicting ECB populations in corn and peppers.

For example, he cites the work of Dr. Paul P. Burbutis, a bio-control entomologist who has conducted research on control of ECB in peppers since 1958. More recently Burbutis and his colleagues have discovered a native parasite of ECB eggs. The researchers are presently studying the feasibility of using this parasite as a biological control of the ECB.

Tackling the problem from another direction, Burbutis, insect ecologist Dr. Charles E. Mason, and Dr. Steven D. Skopic (an authority on animal periodicity on loan to the department of entomology from the School of Life and Health Sciences) are studying techniques for interrupting diapause (the hibernation stage) of overwintering ECB's. The same researchers have initiated a new project this year which involves the cooperation of 13 states. This project will investigate the possibility of genetically controlling the ECB. In 1978 this team also conducted a study to determine the potential yield reduction caused by various population levels of the ECB on corn at different planting dates and different insecticide treatment dates.

Similar research on the timing of corn plantings and insecticide treatments as these affect ECB infestation levels was initiated by economic entomologist Dr. Lewis Kelsey in 1975. His research over the past four years has contributed the ECB, reports Graustein. Kelsey's work has determined which insecticides and rates of application provide effective control, as well as the optimal timing of insecticide applications. It has also provided information on the influence of planting date on subsequent borer infestations and on predicting the severity of infestations based on the spring ECB population, borer development, weather, phenological events (such as the leafing out of trees), and planting date.

Furadan is one of the most effective and widely used insecticides for corn insect control in Delaware. In 1978 Kelsey conducted research to determine whether the apparent beneficial effects of this chemical are the result of ECB control, soil insect control, nematode control, or suppression of the whole pest complex. He has also investigated the effects of control treatments in conventional vs. no-till corn, as well as irrigated vs. non-irrigated corn.

Last Summer Graustein himself established demonstration plots on eight different farms in the state in an attempt to determine, under commercial growing conditions, how the timing of corn planting dates and insecticide applications affect yield. He also wanted to find out whether corn planted in Kent and New Castle counties responds to corn borer infestations in the same way as that grown in Kelsey's Sussex county test plots.

Graustein plans to report on these various corn borer control projects at the Delmarva Corn Technology Conference, which will be held at the Convention Hall in Ocean City, Md., Tuesday, December 12.

Public hearings slated for natural gas use

WASHINGTON, D.C. – Three public hearings on implementing the agricultural priority section of the recently-enacted Natural Gas Policy Act will be held during December. Secretary of Agriculture Bob Bergland announced recently.

The hearings, which will begin at 9:30 a.m. each day, will be held Dec. 11, at the Freer Gallery auditorium here; Dec. 14, at the Senator Hotel, 12th and L Streets, Sacramento, Calif.; and Dec. 18, at the Holiday Inn O'Hare/Kennedy, River Road and Kennedy Expressway, Chicago, Ill.

The department's Office of Energy, directed by Weldon Barton, will conduct the hearings.

The Natural Gas Policy Act gives priority protection against cutoff to agricultural users of natural gas, when the gas is essential for full food and fiber production. The act stipulates that essential uses of natural gas shall be for agricultural production, natural fiber production and processing, food processing, food quality maintenance, irrigation pumping, crop drying and the production of fertilizer, agricultural chemicals and animal feed and food.

Under the legislation, signed by President Carter Nov. 9, Secretary Bergland must determine the specific users and amounts of gas to be protected by the agricultural priority against cutoff. He must than certify those users and amounts to the Department of Energy by February 1979.

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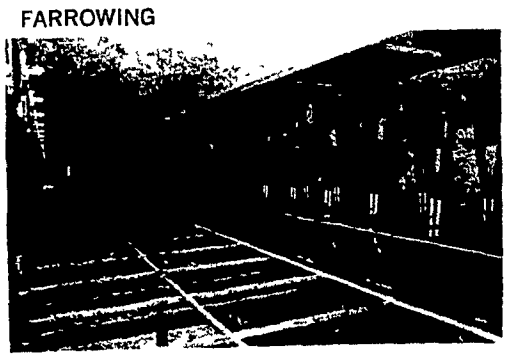
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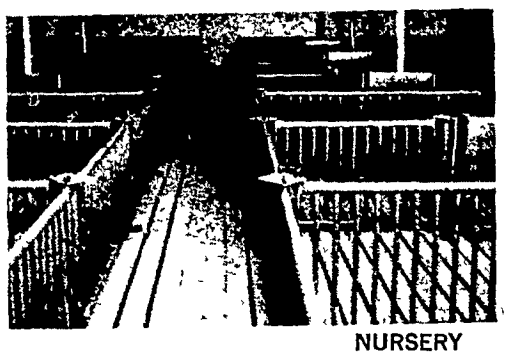
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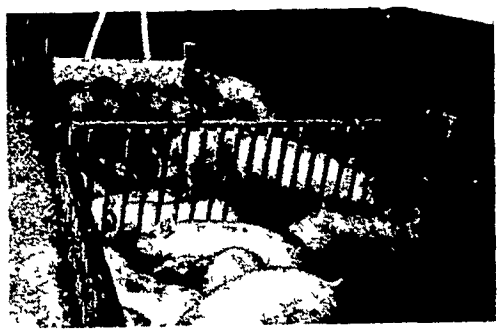
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Grassland officers elected

Officers of the Pennsylvania Grassland Council, elected at the organization's recent annual meeting at Penn State are from left: Albert Best, New Holland, president; Dr. Kenneth Leath, adjunct associate professor of plant pathology at Penn State, vice president; Richard Hann, manager of Milton Hershey School Farms, secretary-treasurer; and Dr. John Baylor, Penn State Extension agronomist, executive vice president.

Grassland directors named

Directors of the Pennsylvania Grassland Council, elected at the organization's recent annual meeting at Penn State are from left: Albert Vigilante, Harrisburg R3; Harold Gayman, Waynesboro R2; and Arnold Lueck, Lancaster County Extension agent.

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SPEED (RPM)	Per GPM	75	48	36	21	18	14	12	9
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FLOW (GPM)		15	15	15	15	15	15	15	15
TORQUE (lb in)	Per 100 Δ PSI	35	54	74	122	139	176	214	274
	Cont @ 15 GPM	473	682	867	1327	1371	1562	1696	1930
	Peak @ 15 GPM	710	1045	1300	1990	2055	2340	2540	2890
PRESSURE	Continuous Δ PSI	1500	1400	1300	1200	1100	1000	900	800
	Peak Δ PSI	2250	2100	1950	1800	1650	1500	1350	1200
	Back Press	1000	1000	1000	1000	1000	1000	1000	1000
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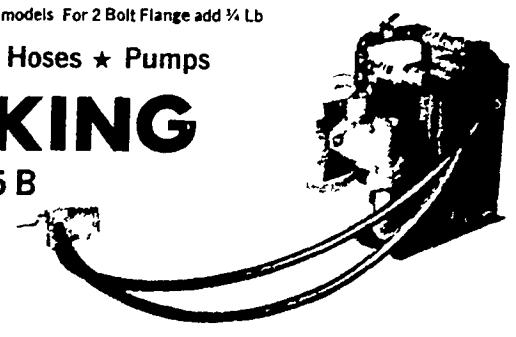

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No-till convention to show weed control concepts

UNIVERSITY PARK — New concepts in weed control, presented by a panel of three farmers and three university specialists, will be one of the features of the Mid-Atlantic No-Tillage Growers Convention to be held January 4 at the Host Farm Resort, Lancaster.

The convention, starting at 9 a.m. and ending at 3 p.m., is sponsored by the Cooperative Extension Services of Delaware, Maryland, New Jersey, Pennsylvania, Virginia, and West Virginia in cooperation with the agribusiness firms.

According to John H. Schwartz, Adams County Extension agent and conference chairman, tickets are available at the Extension Offices in each of the six states.

The weed control panel will consist of Wayne Harpster, Huntingdon County (Pa.), Nicholas Cihylik, Lehigh County (Pa.), and J. Thomas Kelly, Montgomery County (Md.), all farmers; Donald Daum and Dr. Willis McClellan, Penn State Extension specialists; and Dr. A. H. Kates, weed specialist at Virginia Polytechnic Institute.

Other topics during the morning session include Controlling Soil Erosion by Dr. Jon Hall, Penn State research agronomist; and An Evaluation of Solar Grain Drying presented by Dr. Vance Morey, agricultural engineer at the University of Minnesota.

The afternoon program includes the following presentations: How to Make an Extra 20 Cents Per Bushel on Corn by H. Louis Moore, Penn State Extension agricultural economist: Practical Methods of No-Till Forage Seedings by Melvin Brown, Centre County (Pa.) Extension agent; Fertilization and Liming Under No-Till Conditions by Dr. Wayne Hinish, Penn State Extension agromonist; and No-Till Seeding of Small Grains by Lynn Hoffman, superintendent of the Penn State Agronomy Reserach Farms.

In addition, there will be numerous educational and commercial exhibits prepared by agribusiness firms.

The annual convention attracts approximately 1,200 farmers and industry representatives, Schwartz pointed out.

Lancaster County Lung Association to hold tests

LANCASTER - The monthly testing program, sponsored by the Lancaster County Lung Association, will be conducted at the Association office, 630 Janet Avenue, Lancaster, Pennsylvania on Tuesday, Dec. 5.

Tuberculin testing will be done from 10 a.m. to noon and 1 to 5 p.m. Persons having this test will return for a report on Thursday, Dec. 7, 1978. There is no cost for this service.

Diabetes screening, conducted by the Lancaster County Diabetes Association, will be done from 10 to noon and 1 to 3 p.m. Cost is $1. A normal meal should be eaten two hours before having the test.

The American Heart Association will be checking blood pressure from 10 a.m. to noon and 1 to 5 p.m.

Free educational materials are available about all lung diseases as well as smoking in the Lancaster County Lung Association office.

Nat. Grange names youth winners

DENVER, Colo. - The National Grange, meeting in Denver, Colo. for their 112th Annual Session, recently announced the winners of the 1979 National Grange Young Couple of the Year and Youth of the Year.

Sarah Jeffers of Washington, Ill., and Michael Martin of Cummington, Mass., were selected Youth of the Year. Runners-up were Mary Justi of Worthington, Ohio, and Dayle Lye of Pavillion, Wyo.

Young Couple of the Year Winners were Mr. and Mrs. Kenneth Reeves of Arvada, Colo. and runners-up were Mr. and Mrs. Edward Filitski of Pittstown, N.J.

Jeffers, Martin and Mr. and Mrs. Reeves will serve as Grange youth ambassadors throughout 1979. They will spend a week in Washington, D.C. in January and attend various meetings and conferences during their reign representing the National Grange youth department.

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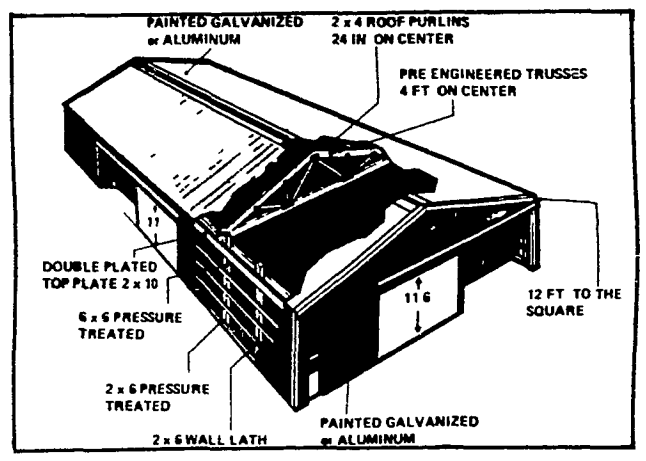
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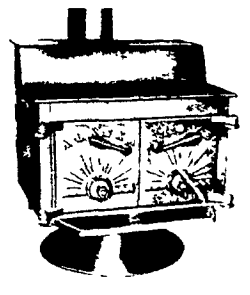

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Hydroponics used

It doesn't take soil to grow these tomatoes

An over-view of the inside of the specially designed Quonset building. Montgomery estimates this building will yield him 1000 pounds of tomatoes per week, with a net income of about $10,000 per house.

By JOAN LIESAU

SPRING CITY — Plump, fresh tomatoes grown locally at Christmas time may seem like a wild dream to the tomato lover, but it is a reality to William V. Montgomery Jr. of Spring City R1.

Using a new method in growing food, called hydroponics, Montgomery is making large deliveries, up to 500 pounds, to supermarkets in his area.

There is no soil, peat moss, sand or stone used. The plants are cultivated in water containing liquid fertilizer.

Montgomery and his partner Curt Nichols of Havertown began planting seeds (which are a tropic variety) on July 3, 1978. They began harvesting plump one-half pound tomatoes in early October when home gardeners began to see their plants wither from the first frost. The plants are presently four feet tall, and loaded with tomatoes.

"Hydroponics is an old concept which recently has become practical thanks to a system of disposable plastic tubes that hold the roots of the tomato plants," Montgomery said.

"The plants grow to be 20 feet long, resting on inclined tables and suspended by a system of over head cables."

"The building is a specially designed Quonset building covered by a double-thick translucent polyester roof."

"My 900 tomato plants are fed a nutrient solution round the clock" he explained. Precise amounts of liquid fertilizer are measured out and dispensed so they flow by gravity for a ten minute period, followed by a five minute rest period."

Montgomery harvested his first tomatoes 90 days after sowing the seeds. "The yield is several times as great as from tomatoes grown the traditional way, since the plants grow rapidly, produce in great volume and for a long period of time" he said.

Montgomery estimates that raising tomatoes in his 124 by 30 foot building will yield him 1000 pounds of tomatoes each week. "We pick them several days before they are fully ripe," Montgomery said, "they ripen naturally, not artifically" he added.

Montgomery expects his tomato yield to decrease during the short-day December months because he does not use artificial lighting. He expects the yield to increase again in January and continue into June of 1979. When the plants are 12 months old, they reach the end of their reproductive efficiency. At that point the

(Turn to Page 120)

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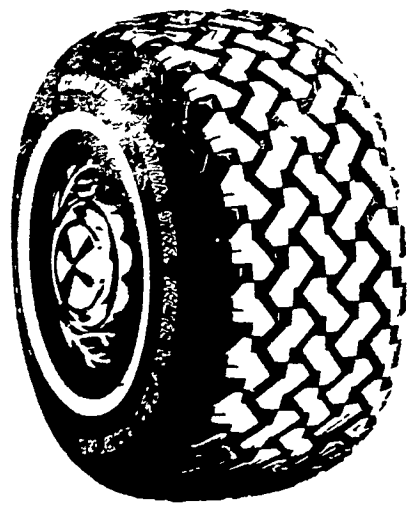

BR78-13	36.38
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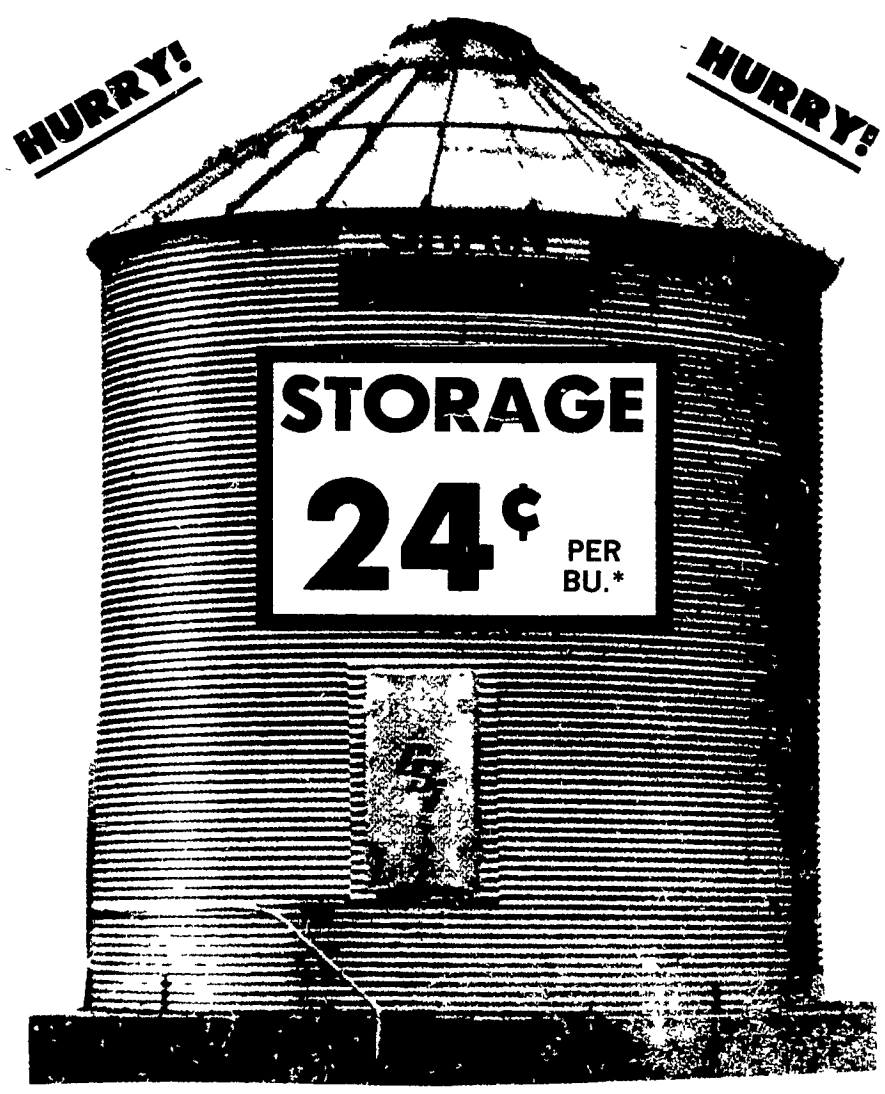

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A sixth generation dairy farm

Farming comes naturally to the Mowrer family

MY-T-Hi Farm of Spring City R1 milks 125 Holstein cows and raises 120 replacement heifers. The Mowrers try to feed and raise all their own feed. They work with about 700 acres of land.

By JOAN LIESAU

SPRING CITY - Farm machinery ranging from a John Deere 3300 combine to a chisel plow, towered above the many Farm Tour visitors of the MY-T-Hi Farm, a sixth generation dairy farm owned in partnership by S. Horace Mowrer and his son Michael.

The Mowrers have 125 Holstein cows and 120 replacement heifers. "We raise all our heifers and sell the bull calves" Mike said. The calves are weaned at five to six weeks and put on ready mixed feed and hay to start, and then changed over to home grown feed. The calves start out in their own pens and then move to a total of three other pens, according to their size and age. The heifers will calve at two to two and a half years old. The heifers are bred naturally and calve at another farm. They are then returned to MY-T-Hi farm and bred artificially. At five to six years old the cows are sold. "If they're not making what we want them to, they don't stay" Mike said. And right now, the Mowrers want their cows to milk a minimum of 14,000 pounds in 305 days.

The Mowrers try to feed and raise all their own feed. Last year they made 28,000 bales of hay and 4000 bales of straw. They work with about 700 acres; 104 acres of their own, and renting the rest. Their acreage is mainly utilized for crops. "It cost too much to have the cows on pasture, it pays better to plant" Mike said. Alloting 85 to 100 acres to pasture, 340 acres are in corn, 220 in hay, 80 in small grains and 20 acres are planted with soybeans, while double cropping some of the corn and soybeans. "The soybeans and half of the hay and corn is our cash crop" Mike said.

The Mowrers feed high moisture ear corn, corn silage and hayage with soybean meal on a limited basis, not buying more than eight tons per month. The cows are fed with electric feed carts and bunk feeder.

The cows are milked in a tie stall barn with an automatic pipeline milker system. They market their milk through Interstate Milk Producers Co-op. The milk then goes to Bechtel's Dairy in Royersford.

The herd is DHIA tested and produces 40 pounds per day per cow. The herd is pregnancy checked every 30 days.

Rather than using mold board plowing, the Mowrers use the chisel plow "soil saver." "It just losens the top up" Mike said, "we use it mainly to save the soil. It helps hold the water and won't let the soil wash away" he added.

Tom Mowrer, Mike's brother is presently working on the farm and plans to enter the partnership in the near future.

In 1976 Horace was named one of six Master Farmers in the five state area. In 1977 Mike was the top corn

(Turn to Page 112)

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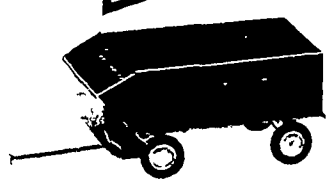

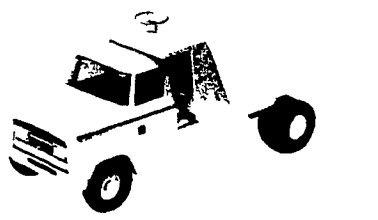

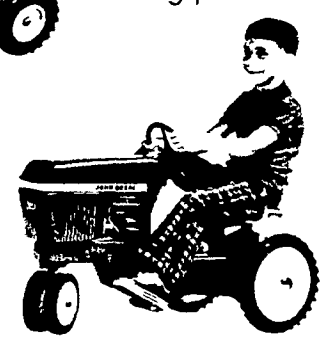

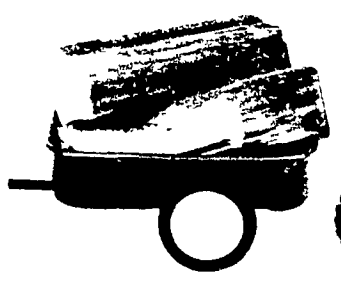

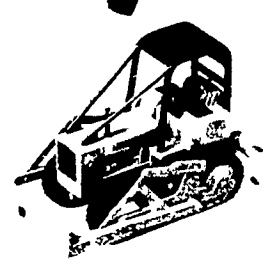

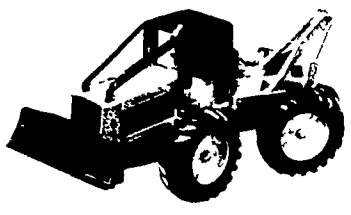

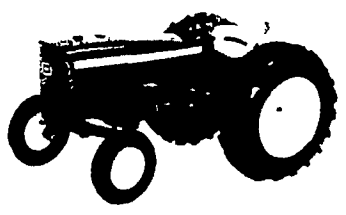

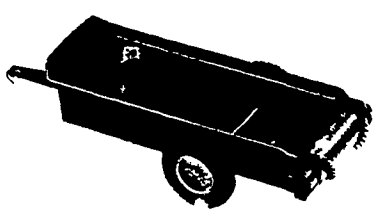

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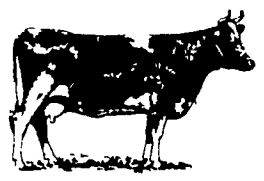

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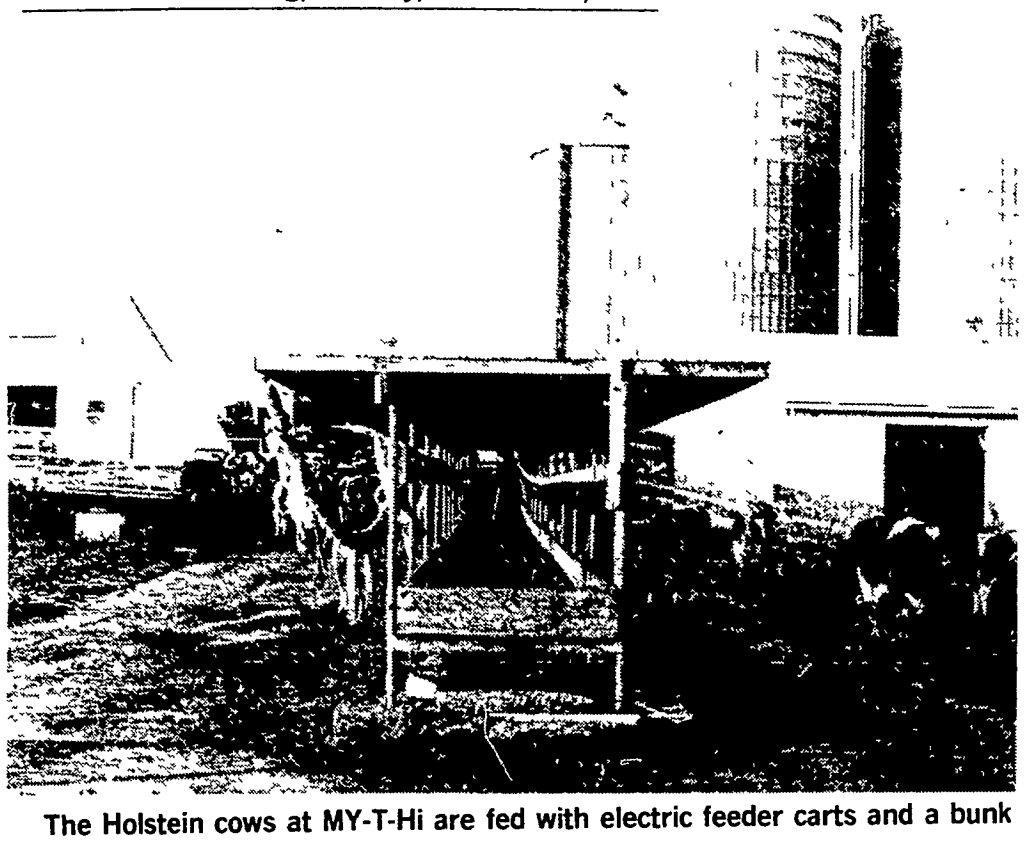

The Holstein cows at MY-T-Hi are fed with electric feeder carts and a bunk feeder.

Tom, Horace and Mike Mowrer, shown left to right, of MY-T-Hi farm, Spring City R1, stand in front of their John Deere 3300 combine. They are the sixth generation to farm their Chester County farm.

Teen-age years a trying time for parents

NEWARK, Del. - To many people, adolsecent children are the bane of parenthood. At this time of life, a young person is an adult at one moment and a baby the next. Many parents are at a loss to understand their child's unpredictable personality, says Delaware Extension family living agent Debbie Walker. It's important for parents to realize what their child can and cannot handle, and to take note of his or her behavior.

Teen-agers need help in setting rules and standards for behavior. It's the parent's job to set limits and stick with them. Teen-agers gain strength and self-respect from parents who have set clear rules and who are consistent in their expectations. However, Ms. Walker adds, it's equally important for parents to be reasonable and to be willing to discuss their decisions.

Some parents are so nervous about their child becoming a teen-ager that they tend to over-react when the child gets out of line. Adolescents will naturally rebel sooner or later, Ms. Walker points out; punishment does not help a teen-ager learn self-control. Ms. Walker says it's usually more helpful for parents to discuss their feelings about the behavior with the child, and to proceed to work out mutually acceptable standards of behavior.

An important rule for parents is to show teens that they respect their privacy. This shows that one respects them as individuals, and encourages them to feel more independent. Independence is a must, since the teen-age years are the time when young people have to start making important decisions about their lives. Parents should encourage independence by allowing teens to make many of their own decisions, and teaching them to take responsibility for their choices. A person should start by letting them make small decisions. When they prove they can handle the responsibility, let them progress to bigger decisions.

There will be times when teen-agers won't fare well with the responsibilities given to them. If they make mistakes, one should avoid criticism and blame, and discuss the problem and what has to be done about it. Parents must be supportive and willing to offer help and encouragement when necessary.

Adolescence is a trying time for parents and teens alike. There are always ups and downs, but these make parents and young people grow. This growing time can be less hair-raising if parents use love, patience, and above all a sense of humor.

Mowrer family

(Continued from Page 111)

producer in the Owen J. Roberts Young Farmers Association.

As the tour neared it's end, a visitor asked Mike what season he liked best. "I look forward to every season" he replied, "when a new one comes up, there is always something new in store."

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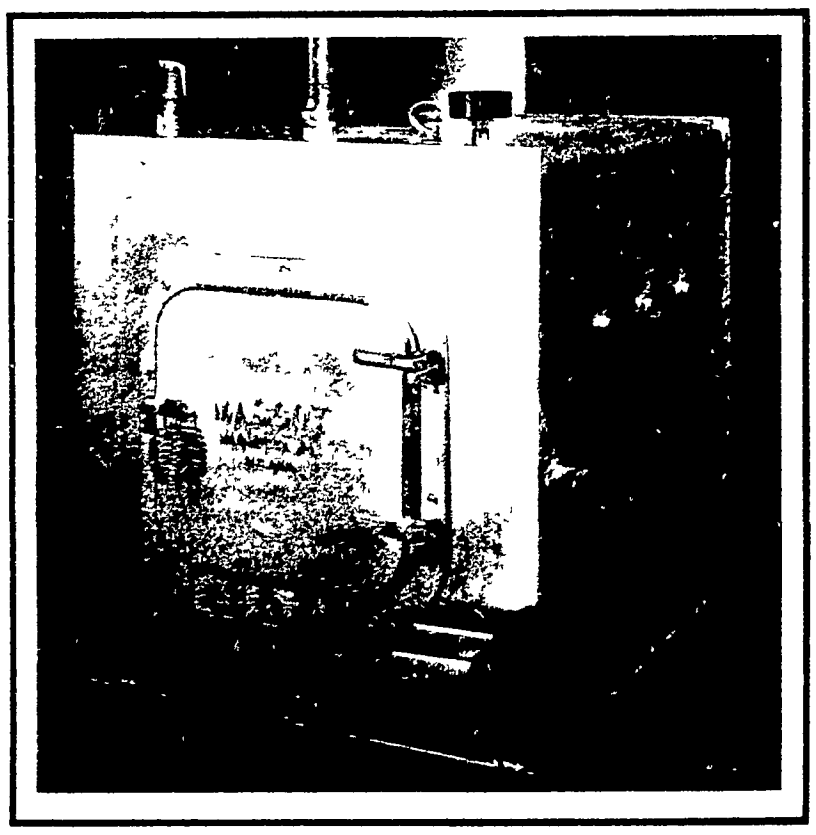

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Conservative but functional fashions forecast

COLLEGE PARK, Md. - The fine art of dressing is no longer restricted to women with sufficient wealth to make trips to Paris for personal consultations, as they did in the 1920s and 1930s.

Most Americans - both men and women - can get a feel for the flow of fashion, even if they have never traveled beyond the limits of the continental U.S. So says Dr. Eleanor F. Young, Extension textiles and clothing specialist at the University of Maryland in College Park.

With style trends for Fall and Winter now fairly well established and forecasts for Spring already on the fashion pages, any well-read persons should be able to pick up clothing items during special-purchase and after-Christmas sales which will constitute a good fashion investment.

For example, one will probably want to avoid buying a coat which doesn't have plenty of room in the sleeves to accommodate the padded-shoulder suits and dresses which are a part of the current fashion scene.

Similarly, a person should keep in mind the trend toward narrow legs when shopping for pants.

And, when you're Christmas shopping for a friend, remember that the layered look is still around - but it may not be in fashion too much longer. So a moderate-priced vest would be a better gift choice than an expensive one intended for long usage.

Some basic points describing current styles are these:

Fashions for both men and women tend toward the look of the 1950s. This "return to conservatism" implies long skirts, high heels, and an emphasis on dresses for women. Also narrow lapels and ties for men; padded shoulders for both men's and women's clothing.

One should keep in mind that today's fashions maintain an emphasis on being functional. So one probably won't see a return of hobble skirts that some women wore in the 1950s. Today's women are also sticking firmly with pouchy shoulder bags for daytime wear because they are functional. Similarly, long evening skirts are being superseded by shorter, more body-revealing dresses for partying and disco-dancing.

There is really a two-way trend in women's fashions today. One hears much about the soft, feminine look; but there is also a tailored - or corporate - look favored particularly by the growing numbers of women business executives. This latter trend has been spurred by John Molloy's best-selling book, **Dress for Success.**

Elaborating on the functional theme, Dr. Young declared that modern fabrics are here to stay.

"Who wants to go back to the days of untreated, all-cotton fabrics that required so much ironing? Or the untreated woolens that attracted moth damage?" she asked.

The Maryland Extension home economics specialist noted that treated cottons today require little or no ironing, and many woolens now are treated with a moth-resistant chemical. Then there is a wide array of no-iron and manmade fibers. These were only in their infancy in the 1950s.

There are probably two shortcomings which must be considered, however. One is that manmade fibers absorb some stains more readily than their natural counterparts. So they require some special care, such as pre-treating prior to laundering.

Another drawback could be discovery that some of the chemicals used to treat modern fabrics are carcinogenic; i.e. cancer-producing. The chemical, Tris, used to make children's clothing fire-retardant, has been removed from the market for this very reason.

Turning to the college-age scene, Dr. Young agreed that co-eds today are more fashionable than their older sisters of five or six years ago. For one thing, more of them are wearing kinky or curly, shoulder-length hair in contrast to the straight, waist-length hair which had become so universal.

And she noted that dresses and skirts are now outselling women's pants for the first time in five to 10 years. Also, woven fabrics have finally regained their popularity over knits.

The color trend is reflected in muted tones and soft colors for both Fall and Spring fashions., Dr. Young observed. Earthy tones are again popular this Fall - but more muted than in past years. And soft pastels appear to be setting the fashion tone again for Spring.

Plums and purples are prevalent this Fall, but they may not be around much longer, the Maryland specialist predicted.

Most of the fabrics nowadays are textured. And corduroy, fleece and wool flannels appear to be "in" - rather than the hard denims typified by the long-popular blue jeans.

On the business scene, many tailored "corporate" women are carrying briefcases instead of handbags. With subdued colors, their jackets will be padded and well-fitted at the shoulders but slightly loose at the waist. In this milieu, blouses will have scarves to emulate neckties.

Despite the overwhelming accent on dresses, women will still be wearing pants, too, because they are so function for sports and informal wear. But they are becoming more narrow-legged. And they will be getting shorter.

Already, fashion writers are forcasting a literal pants explosion for Spring in a wide variety of lengths - including pedal-pushers, burmudas, and short shorts.

Concert set

PHILADELPHIA - The Oratorio Singers of Philadelphia College of Bible will present Handel's great work, Messiah, on December 14 at 8 p.m. at the Philadelphia Academy of Music. Directing for 300 Voice Chorus and Mostovoy orchestra will be Music Professor Alfred E. Lunde.

Soloists for this fine presentation are Sharon L. Sweet, soprano; Mertine Johns, alto; David M. Shockey, tenor and Bailus Webb, bass. For more information one can call 215-561-8661.

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Adams Co. 4-H capon brings record price

GETTSBURG — Once again Adams County has the distinction of recording the highest price paid for a 4-H capon in Pennsylvania. The record price of $17 per pound was paid by Adams County Home Beverage for the Grand Champion Capon at the Admas County 4-H Capon Round-up. The eight pound capon was exhibited by Roger King, York Springs, the son of Mr. and Mrs. Dale King.

The two reserve grand champion capons were exhibited by Darlene Resh, Dillsburg and Sue Shetter, Gettysburg. Darlene, daughter of Mr. and Mrs. Nevin Resh, exhibited a ten pound capon purchased by Adams County Home Beverage for $10.00 a pound. The nine and three-quarter pound capon exhibited by Sue Shetter, daughter of Mr. and Mrs. Ed Shetter, was purchased by Aero Oil Company for $8.25 per pound.

John Bream, chairman for this year's show and sale, reported nine Adams County 4-H members participated in the roundup sponsored by the Cashtown Lion's Club, the Adams County Poultry Association and the Adams County Cooperative Extension Service. Thirty-six capons weighing 346 and one-half pounds were sold for an average of $3.94 a pound.

Winners at the 1978 Adams County 4-H Capon Round-up are standing behind the buyers of their champion capons. (left to right) Sue Shetter, Gettysburg, exhibited one of the reserve champion capons which was purchased for $8.25 a pound by Richard Higinbotham, New Oxford, representing Aero Oil Co., Darlene Resh, Dillsburg, exhibited the other reserve champion capon and Roger King, York Springs, exhibited the grand champion capon. Both capons were purchased by Carroll Spence, Cashtown, representing Adams County Home Beverage.

Bream added that the total proceeds of the sale goes directly to the participating 4-H member.

The profit these junior executives receive from their 4-H capon business is used as operating capital for next year's capon 4-H capon project and saved to help meet future college expenses.

The members were judged on the Danish System by Penn State Area Marketing Agent, Larry Yager. The capons were evaluated on conformation, freedom from pinfeathers, cuts, tears, and bruises and packaging. Members receiving blue merit ribbons for exhibiting superior quality capons were Roger King, Darlene Resh, Sue Shetter and Ken Shetter. Ron Howell, York Springs, Linda and John Trone, East Berlin and Bill and Melissa Shetter, Gettysburg received red merit ribbons for exhibiting excellent quality capons.

The Adams County Poultry Association, in addition to supplying free capons to three 4-H members and buying the trophies for the three champion capons, also purchased three capons to be donated to the Adams County Home for Thanksgiving. Also, the proceeds from the sale of two capons provided by Bill and Melissa Shetter were donated to Beacon Lodge through the Cashtown Lions Club in appreciation for their support of the 4-H Capon Program. The capons were purchased by Dale Biesecker and Adams County Home Beverage for $68.35. Beacon Lodge is a camp in Central Pennsylvania operated for visually handicapped persons. Other buyers included Mister Ed, Mountain Valley Farms and Lumber Products, Walter Griest, Gerald Keller, Carl Frantz, Glenn Mussleman, Harry Bucher, Glenn Herring, Floyd Kuhn, John Bream, Jr., Col. Thomas Allen, and William Toeller.

Larry Peters, Biglerville, was the auctioneer for this record setting sale, donating his time for this event.

The 4-H capon project may be taken by any youth between the ages of 8 and 19 regardless of race, color, creed or national origin and interested in assuming the personal care and management of 25 or more capons. More information on this or other 4-H programs in Adams County Cooperative Extension Service, 999 Lincoln Way West, Gettysburg.

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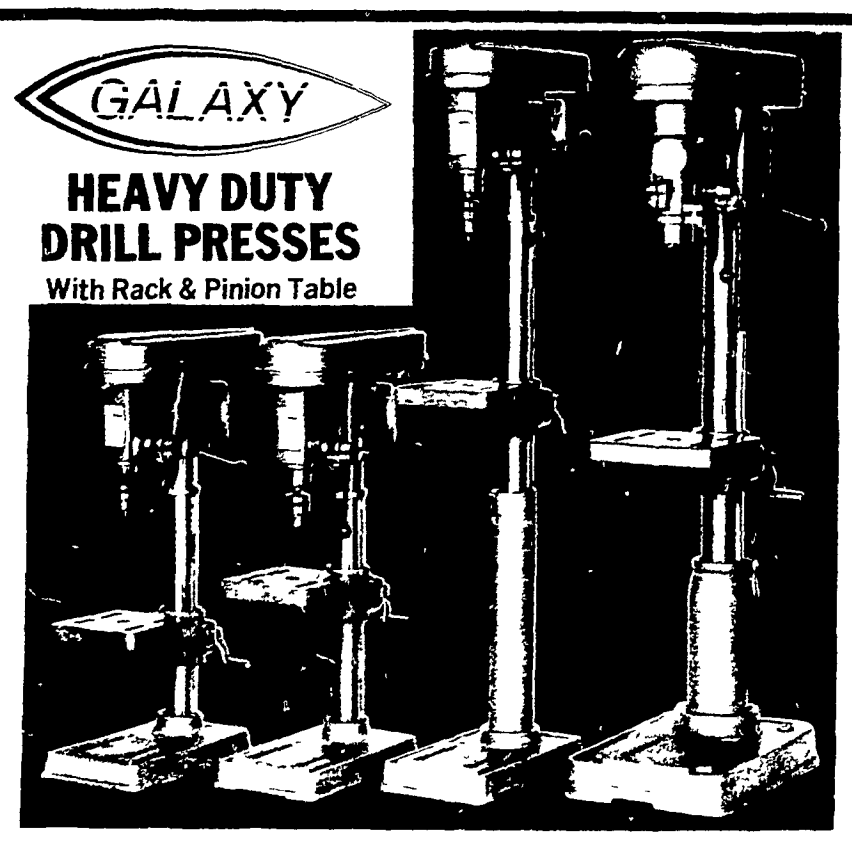

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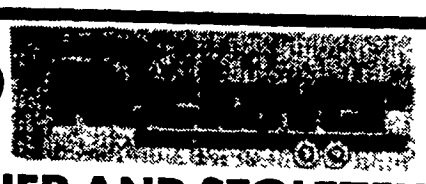
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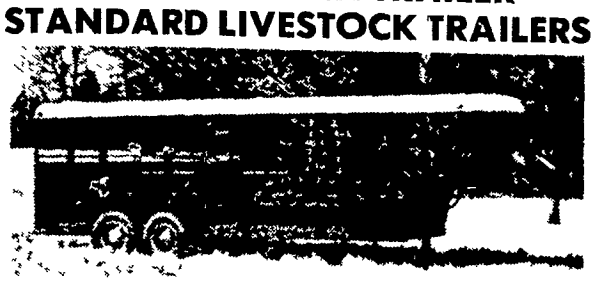
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Disease resistance studied in plants

NEWARK, Del. - Out of the very large number of pathogens which regularly bombard any plant in the environment, there may be ony a few which make it diseased. Why is the plant susceptible only to these few? And what makes it able to resist all the other pathogens to which it is exposed?

If scientists could come up with the answers to these questions, they'd be well on the road to developing a way to induce disease resistance in food crops - possibly through improved plant breeding or with the aid of some non-toxic resistance-triggering compound with otherwise innocuous effects on the environment. Either solution could have far-reaching benefits.

The first step in finding the answers is to learn more about the biochemical interactions between plants and bacteria. Plants are thought to have two ways of protecting themselves against disease: a general defense mechanism and a more specific form of immunity such as that found in certain resistant varieties of a crop. "We don't know exactly how this immunity works," says Dr. Myron Sasser, a plant pathologist at the Delaware Agricultural Experiment Station. "But when a pathogen attacks, there is a sudden collapse of the affected plant cell."

This hypersensitive reaction is thought by some researchers to be a defense mechanism which may be casually related to disease resistance. Sasser is looking for an explanation of the way this mechanism works, using bacteria on tobacco plants (the "white mice" of the plant lab).

Speaking before fellow plant pathologists at the recent annual meeting of the American Phytopathological Society in Tuscon, Ariz., the University of Delaware researcher described a study he conducted recently of the effects of 50 antibiotics on bacteria in relation to the triggering of the plant disease-resistance mechanism. Since different antibiotics are active at different stages of the infection process, and since some are active on bacteria while others are active on plants, these compounds can be useful tools in explaining how resistance works.

Sasser found both bacterial RNA synthesis and protein synthesis to be essential steps before the plant defense system can become operative. "The suggestion is rather strong," he reports, "that a bacterial protein causes the activation of the plant defense system, and that the bacterial protein is produced in response to some factor encountered in the nonhost plant."

The pathologist expects his findings to be useful to others studying disease resistance in plants. He is presently investigating one particular antibiotic from the group screened which appears to have a reversible effect on the resistance mechanism, and hopes to publish results of this work sometime next Spring.

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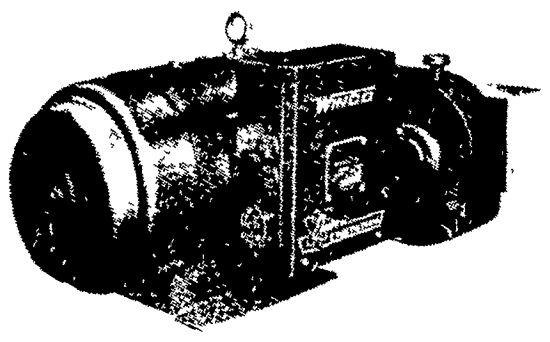
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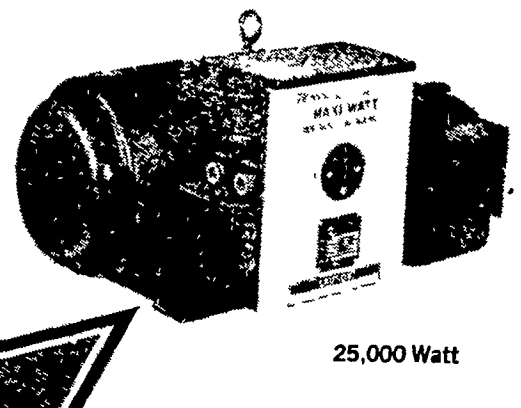
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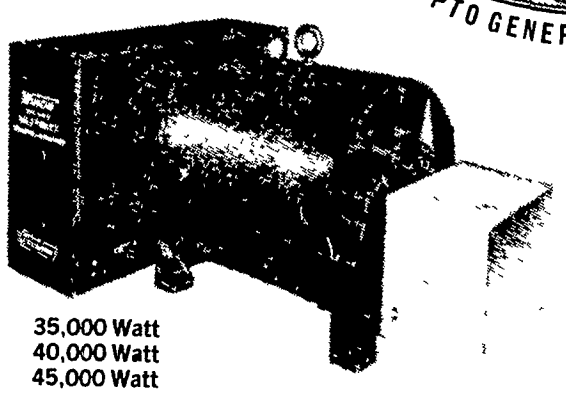
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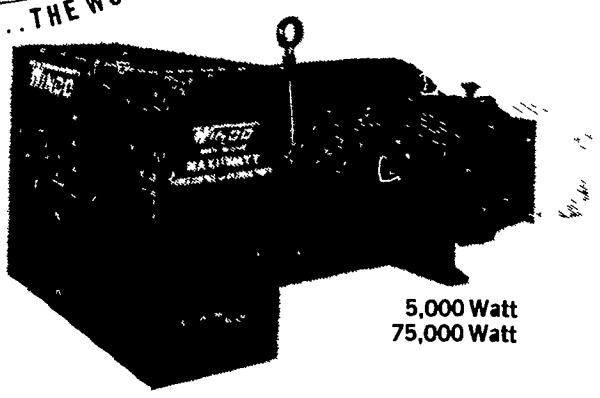
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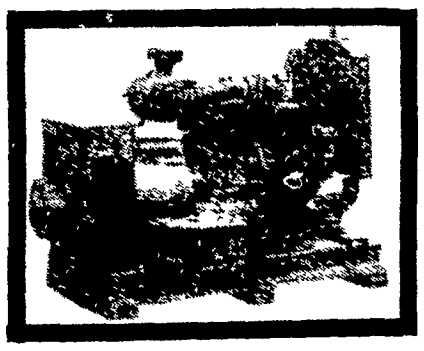
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Butler woman wins nat. Grange award

DENVER, Colo. – Debbie Phelan of St. John, Michigan, and a student at the University of Michigan, took top honors in the 1978 National Grange Sewing Contest. Miss Phelan was awarded $1000 by the National Grange women's activities department during the Grange's Annual Session being held November 13-20.

The Grange also announced the grand award winners of the 1978 Needlework Contest. The winners are Mrs. William Adamosky, Butler, Pa.; Helen Rewinkel, Orangevale, Cal.; Rose Weeks, White Swan, Wash.; and Edna Muran, Amsterdam, N.Y. They each received $500. Ten thousand entries were received in the 1978 National Grange Stuffed Toy Contest, all of which will be given to children's hospitals. First place national winners in the contest were (dolls, junior) Denise Brown, Metz, W.Va., (animals, junior) Tracey Walker, Pennside, Pa., (originality, junior) Michelle Murphy, Mouth of Wilson, Va., (doll, teen) Mary Jo Singkofer, Corvaillis, Ore., (animals, teen) Joyce Atoulikian, Parma, Ohio, (originality, teen) Laurel Rosene, St. Paul, Minn., (dolls, adult) Margaret Littleton, Lenoir City, Tenn., (animals, originality, adult) Ethel Shorn, Oak Ridge, Tenn. All three contests are open to both members and non-members of the Grange.

Mrs. Flo Carter of Elmendorf, Texas was selected Women's Activities Director of the Year.

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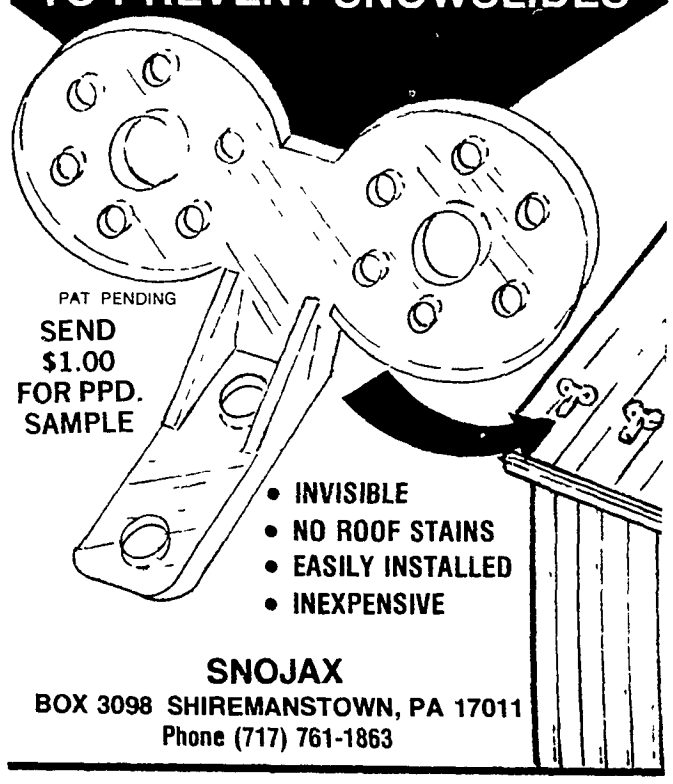
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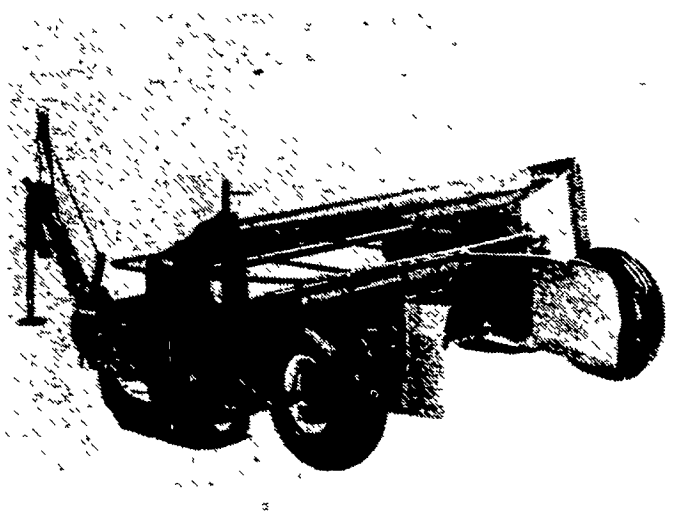

MOWER-CONDITIONER

Vicon Farm Machinery, Inc., Chesapeake, Va. has added the KM-240 mower-conditioner to its family of haymaking equipment.

The KM-240 cuts and conditions the tallest, heaviest, wettest hay, says the manufacturer. A 6-disc cutter bar feeds the crop directly into rubber rollers that condition green hay or wet grass, so it dries fast and bales easily.

Because it's a disc mower, the Vicon KM-240 mower-conditioner eliminates the pick-up reel and problems that come with it. A reel limits ground speed and is often the source of mechanical trouble.

The KM-240 has a compact gear box, and can operate at twice the speed of units with a sickle-bar. It has a working width of 7 feet, 10 inches.

Vicon features a complete line of disc mowers and hayrakes that are sold world-wide.

The new KM-240 mower-conditioner can be seen at all major farm shows.

For more information, please contact Vicon Farm Machinery, Inc., Chesapeake, Va. 23323.

CHAIN SAW

A 78cc chain saw weighing only 19 pounds, with one of the highest power-to-weight ratios ever designed in a chain saw, has been introduced by Echo, Inc.

The CS-750 EVL from Echo, Inc. includes a capacitor discharge ignition system which results in easy starting in all climatic conditions. The CS-750 EVL is also designed with Echo, Inc.'s patented automatic oiling system in addition to a separate manual pumping system, and a reservoir for both oiling systems is located between the crankcase and the gas tank to avoid overheating the power head.

The Echo CS-750 EVL can be outfitted with a 20-, 24- or 28-inch bar. Safety features, including a chain brake, a throttle safety lock, a front hand guard and a chain catcher, are also available on the CS-750 EVL.

For additional information on Echo's new CS-750 EVL, contact or call Echo, Inc., 3150 MacArthur Boulevard, Northbrook, Illinois 60062, (312) 498-1390.

Grange No. 1781 meets

RED LION - Red Lion Grange No. 1781 met November 18, with Lee Burns, master, in charge. Helen Sweitzer acted as Lecturer in absense of Lecturer Naomi Bupp. She had as the top of her program, "The Ways To Be Thankful." Barbara Stein won the cakewalk.

Next regular meeting of the Grange will be Saturday, December 2, at 7:30.

The York-Adams Pomona Youth will sponsor a square dance, to be held at the Gideon Grange Hall, Hanover, Saturday, December 9, beginning at 7:30 p.m. The public is invited.

Eby promoted by Farmers First

LITITZ - The promotion of Donald S. Eby to the position of Agricultural Officer has been announced by George M. Lewis, vice president, Farmers First Bank and president, Farmers Ag Credit Corp. Eby will be serving not only as an agricultural lending officer but also as a public relations agent and consultant to the agricultural industry.

Eby joined Farmers First in 1975 as an Agricultural Representative after operating a Registered Holstein Dairy Herd and Farm for 26 years. A graduate of Lancaster Business College, he recently completed the Bankers School of Agricultural at Cornell University and several courses sponsored by the Lancaster Chapter, American Institute of Banking.

A former Director of the Pennsylvania Dairy Herd Improvement Association Eby was previous President and Secretary of both the Lancaster County Holstein Club, and local DHIA, currently he is a member of the Pennsylvania Holstein Association, the Pennsylvania Farmers Association and the Farm and Home Center, Lancaster.

Insects found in firewood

FLEMINGTON, N.J. – Several different types of insects may enter the home in fireplace wood.

Fortunately, these insects are not likely to become established as damaging pests. However, they can become a nuisance by appearing periodically throughout the Winter months, says experts.

A person may see them first around windows and lights in rooms where firewood is stored or in a room with a fireplace. Later, the insects may wander into other areas of the house.

To prevent the appearance of these uninvited guests, one should not store firewood in heated rooms for long periods of time. Enough firewood should be kept in the room to last for a few days and replensih the supply when needed.

If insects do manage to emerge from the firewood, one can control them with a household spray effective for use against flying insects.

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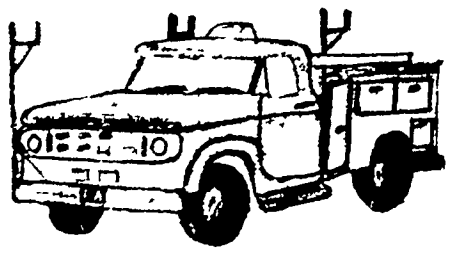

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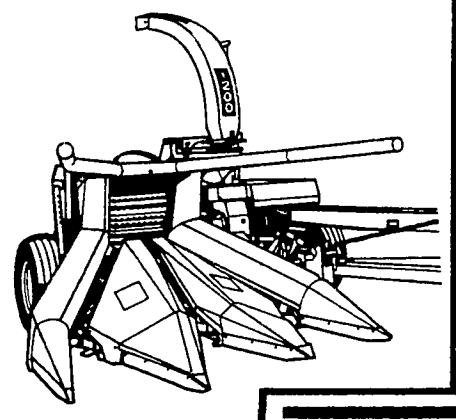

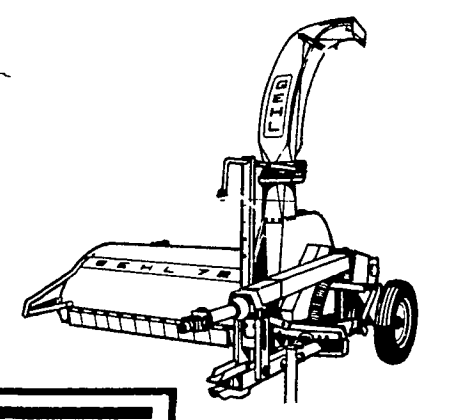

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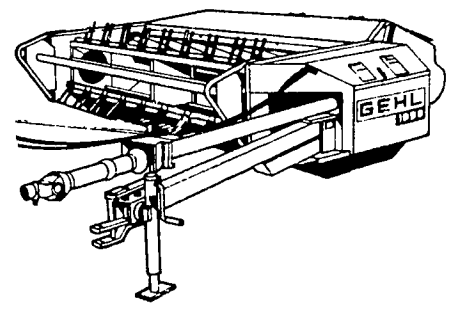

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1978 Census of Agriculture being prepared

WASHINGTON, D.C. – Final preparations are underway at the Bureau of the Census, U.S. Department of Commerce, for the next Census of Agriculture which will begin in January to canvass farm and ranch activities across the Nation for calendar 1978. Every household which conducts agricultural operations will receive its form in the mail at the turn of the year.

Report forms for the 1978 census have been drastically reduced from the 22 pages of the last farm census. In this census, 21st in a series that started in 1840, most farm and ranch operators will receive a four-page form in the mail, while some will receive a five-page version.

On the report form, each farmer or rancher will need answer only questions that apply to his or her operation. The form is arranged so that individual questions or sections dealing with crops and livestock not produced can be skipped.

The overall time required by farmers to complete the form has been reduced an estimated one-third.

In developing the report forms, the Census Bureau obtained the advice of farmers, representatives of farm suppliers, agricultural universitites, Congress, and State and Federal program agencies. Two tests of the census form were conduted to determine that the questions were easily understood so farmers and ranchers could accurately supply the information requested.

The new farm census has been advanced one year to put into phase with the five-year cycle of censuses of retail and wholesale business, industry and manufactures starting in 1982. After that, the farm censuses will be held for years ending in 2 and 7.

Completed forms should be mailed back as soon as possible in January in the confidential, postage-paid envelopes provided. Estimates are acceptable and should be reported in the absence of firm records.

Recipients of census report forms are asked not to discard them. Follow-up mailings costing additional public funds in postage will be required until all forms are received. Despite careful screening of the mailing lists used, some persons not engaged in agricultural activities in 1978 will receive report forms. Those persons should return the form with that fact noted, so that additional mailings can be avoided.

Response to the census is required by law (Title 13, United States Code). By the same law, information furnished on report forms is kept confidential and even other government agencies cannot obtain or used the report made by any farmer or rancher. The law also provides that copies retained by the operator are immune from legal process.

Bergland expects more trade with China

HONG KONG – Statement by U.S. Secretary of Agriculture Bob Bergland at a press conference here recently:

"As you know, we have just completed a ten-day tour of the Peoples' Republic of China. Our delegation has visited Peking, Shanghai, Chengtu and Canton – meeting with national and provincial agricultural officials and touring their agricultural facilities.

"We were all impressed by the openness with which the Chinese approached our talks and the obvious sincerity of their desire to cooperate with the United States in several agricultural fields.

"I personally have no doubts that there will be a noticeable expansion of agricultural trade between the two countries and we have already begun to work out the details for exchanges in agricultural sciences, technology and statistics.

":'The Chinese seem most interested in specific exchanges in the areas of germ plasm – seed research and selection – biological control of pests, livestock and veterinary sciences and agricultural education methods. This cooperation will include exchanges of students, scientists and technicians and will be mutually beneficial.

"They have also asked us to help facilitate – and we have agreed – contacts between their government and American manufacturers of agricultural equipment and supplies. The areas which seem most promising are farm machinery and chemicals, and equipment and technology for animal feed production, food processing and agricultural plastics.

"We have proposed that participants in the U.S. Department of Agriculture's cooperator program should conduct further discussions on the products and technology best suited to conditions in China. They have agreed and we expect Department of Agriculture-led teams to begin visiting China early next year.

"Based on our discussions, we believe that the Chinese are likely to become regular and significant purchasers of U.S. grains and cotton. Thus, it appears that the prospects are good for a continued growth in our agriculture trade."

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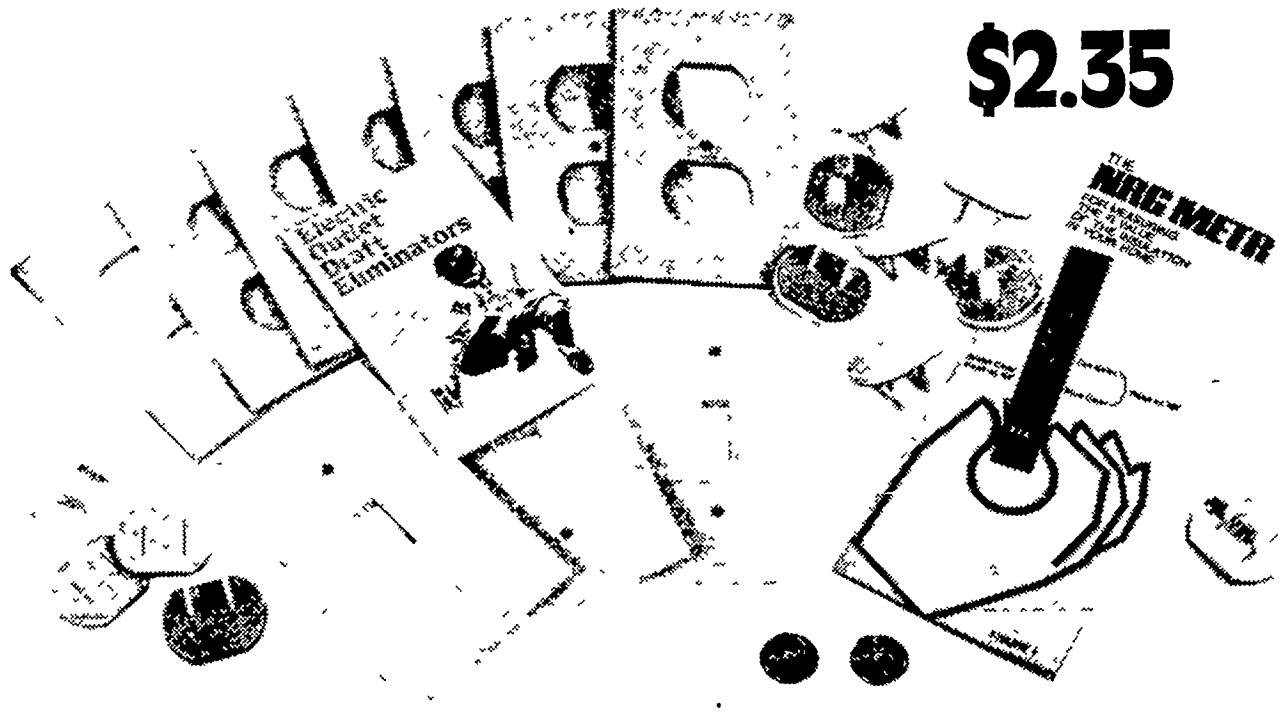

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Winter is the season for indoor gardening

Some varieties of tomatoes will grow indoors over the Winter months.

DOYLESTOWN - With the close of the growing season outdoors in much of the United States, gardening moves inside for the Winter months. Many folks have only a few pots of ivy, philodendron and other foliage plants to decorate in their homes. Attractive and fresh as these are, they are missing a lot of fun, color, variety and yes, even a taste treat if they don't garden from seeds on sunny window sills or under plant lights

"Pixie Hybrid Tomato, Nugget Marigolds and Carefree Coleus all grow well inside from seeds sown now or before New Year's", says Jeanette Lowe, Burpee Seed Company horticulturist and avid home gardener. "I start some seeds every year about this time; I just have average growing conditions on sunny windowsills. My rather unusual houseplants, are the talk of my guests. Plant lights can create "sunshine" if you don't have sufficient natural light, but I have great success with only sunlight."

Planting formula or peat pellets are ideal for indoor planting. One can fill small pots, about four inches across, to the top with planting formula and press down gently. A person should plant two or three marigold or tomato seeds to each pot or pellet, covering lightly and keeping evenly moist. At average room temperature, seeds sprout in about a week to ten days. Young seedlings need to get all the sunshine possible, either natural or artificial. Pots or pellets on windowsills should be elevated so rims are at least on a level with the glass panes. This helps prevent seedlings from getting spindly reaching up for light. If one uses plant lights, one should adjust them four to six inches above the tops of plants, turning them on for twelve to sixteen hours per day, off at night.

Extra seedlings should be transplanted or snipped out to leave just the strongest one to each pot or pellet. Some marigolds grow to blooming size very nicely in 4-inch pots or pellets. The tomatoes eventually need more root room, and should be shifted to containers at least six inches wide and deep.

Coleus seeds are tiny; they should be sprinkled over the surface of planting formula and barely covered. It may be two weeks or more before small, all-green leaves appear. Locked in the "coleus computer" are hundreds of amazing different color and pattern designs, which start showing with the second pair of leaves. When the seedlings are big enough to handle, one can select those that are best to transplant to four-inch containers.

Plant should be watered thoroughly so the excess comes out the drainage hole of the pot or the bottom of the pellet into the saucer below. After about five minutes, this excess should be poured off. One can water again when the surface of the planting material feels dry to touch. This may be every day, or every few days depending on "weather" conditions indoors and out. During bright sunny days plants will dry out much faster than in dull weather.

Planting formula, pellets and special potting mixtures contain nutrients, but eventually these need replacing. It's wise practice for one to apply a water-soluble fertilizer according to manufacturer's directions, to houseplants about once every two weeks.

Marigolds start bursting into bloom in February or early March. The sooner one starts seeds, the faster the plants will usually begin to flower, especially as the hours of sunlight lengthen toward Spring. The tomatoes, now a stockly foot or so tall, attract attention, too, with their blossom clusters. These should be tapped with a pencil or finger to help them pollinate. Soon little green fruits appear which swell in a few weeks to bright red juicy tomatoes the size of ping pong balls. The developing load of fruits is heavy, so the plants need support. One can insert a sturdy stake alongside each stem and tie up the branches with soft twine. A person may prefer three stakes evenly spaced around the pot edge.

It should be a thrill for everyone to enjoy the beauty and color of Summer indoors in Winter and early Spring. Perhaps best of all, however, is when one can pop freshly-picked tomatoes into his mouth or into his favorite salad.

Now is a good time to start indoor gardening fun from seeds. One can still order from the full selection of varieties listed in Burpee's Spring Gardening Catalog; seed starting supplies from Burpee's Fall Bulb & Gift Ideas Catalog. To be sure of getting future issues, one may send his name and address to the Burpee Branch Office nearest you: Warminster, Pa. 18974; Clinton, Ia. 52732; Riverside, Ca. 92502.

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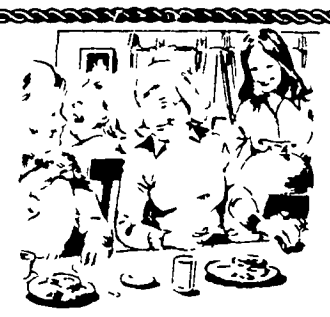

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White tractors get Japanese connection

EASTLAKE, Ohio - White Motor Corporation has announced that its subsidiary, White Farm Equipment Company of Oak Brook, Illinois, and Iseki & Co., Ltd. of Tokoyo, have signed a long-term marketing agreement which will provide an advanced line of small horsepower diesel farm tractors to White Farm Equipment Company for distribution in the United States and Canada.

White Farm Equipment will begin marketing White-Iseki tractors through its North American dealer network early in 1979. The tractors will carry the "White-Iseki" brand name and styling in the silver and charcoal color scheme currently in use on all White Farm tractors.

In addition, White Farm Equipment and Iseki have agreed to hold discussions on the marketing of White-Iseki tractors through distributors in certain international markets.

"The market in the United States has been strong for smaller tractors, especially those below 40 horsepower, for some time now and it is growing, according to published industry statistics," said Masataka Iseki, president of the Japanese firm.

"Our own research shows that our dealers and customers would be very receptive to our offering tractors of this size. Dealers note that sales are especially strong in rural/suburban areas and on farmsteads where small utility tractors are utilized. Some farm dealers have already sold more than 100 tractors of this type per year," commented S.E. Knudsen, chairman of White Motor Corporation.

"Iseki has one of the newest of the farm tractor product lines in this horsepower class. They also have a highly automated production facility for farm equipment and are supported by a sound engineering group. This is evidenced by the advanced features built into their products," Knudsen continued.

The first White-Iseki models to be distributed will be designated the 2-30 and 2-35 and will have two-wheel drive. The model 2-30 will feature a four-wheel-drive option.

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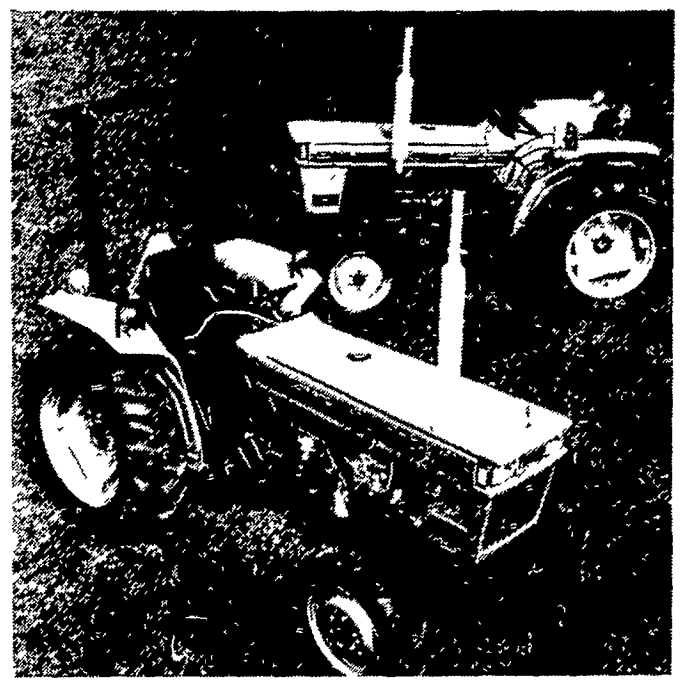

The colors on these tractors - silver and charcoal - are familiar, but the name is new: White Iseki. They are the result of a marketing agreement reached between an American and Japanese firm.

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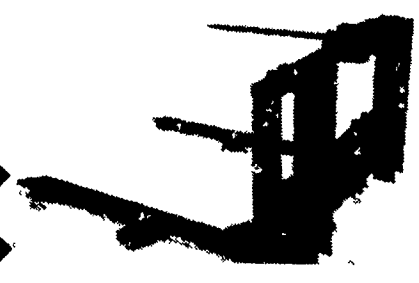

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Deer needn't be displayed

HARRISBURG - The Game Commission reminds successful Pennsylvania deer hunters that it is not necessary that lawfully harvested whitetails be displayed on vehicles while being transported. It is only required that they be properly tagged.

Many hunters are under the impression that the animal must be visible to be transported. Such is not the case. Actually, the table quality of venison suffers when it is exposed to elements such as snow and wind, road dust and grime, fumes and engine heat.

JAMES HURLEY, EASTLAND SEED DEALER NEAR NEW EGYPT, N.J., SHOWS E 34 SOYBEANS.

Looking for something new in beans? Jim found several new and exciting soybean varieties in his Eastland Soybean strip plot this summer. Ask Jim about his plot and particularly about the E 34 Beans.

Eastland 34's are mid-season, about the maturity of Woodworth, yet are a little taller than Woodworth. They are a branching type of bean which stand exceptionally well and yield much like the best long maturity beans.

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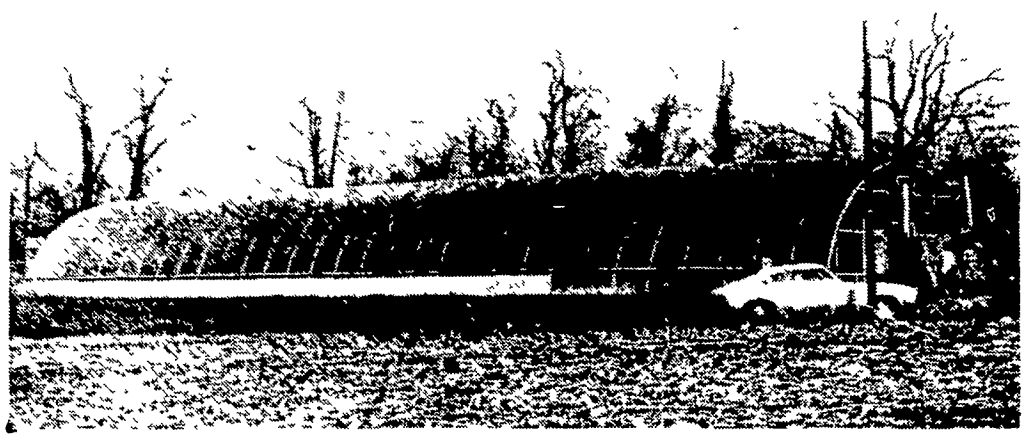

This 124 by 30 foot specially designed Quonset building is covered by a double thick translucent ployester roof. The kit cost $12,500 for everything except concrete, lumber and labor.

Hydroponics

(Continued from Page 110)

tube and vines are rolled up and disposed of, making room for the new crop. Growers with two or more houses have a spare building to cultivate seedlings, replenishing the plants as the old are disposed of. This roll-up, disposal method reduces labor cost by 90 per cent over the previous hydroponic techniques.

Montgomery said the largest cost of his year round operation was keeping the temperature suitable for the plants, between 70 and 80 degrees F during daylight hours and a minimum of 60 degrees at night. The Quonset hut utilizes the warmth of the sun, but oil heat will be needed to make up the night time and winter temperatures.

Montgomery estimates a family can net $9000 to $10,000 a year per building, requiring only 30 to 35 hours a week, or between four and a half to five hours per day. "And on top of that, hydroponics is a wonderful way for a family to teach its children all about horticulture."

Montgomery's secret to success is in precision management. Nutrients must be carefully measured, pH level, temperature and humidity must be monitored frequently and controlled, and the plants must be kept disease free.

Montgomery is already planning to build a second building to raise lettuce.

Lettuce, cucumbers and peppers are suited for hydroponic production but tomatoes are suggested for a high-yield crop that will meet year-round demands.

Montgomery is a

(Turn to Page 121)

No soil will be found in this "garden", the hydroponic system uses water and liquid fertilizer pumped through disposable plastic tubes.

Tomato plants get their nurishment from a disposable plastic tube. The plants are suspended so that as tomatoes are harvested from the bottom up, the plant can lean on the wood sticks seen at the bottom of the plant. A plastic tube travels between the plants, carrying warm air to keep the temperature fairly constant.

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High moisture corn for hogs takes management

NEWARK, Del. - Some hog producers like to use high-moisture corn for finishing swine in order to eliminate drying costs and waiting time at the unloading point. There's nothing wrong with this practice. But it does require some careful management to prevent throwing away your savings on poor performance, cautions University of Delaware Extension swine specialist Dr. Richard Fowler.

High moisture corn is grain that is harvested at 24 to 30 per cent moisture. Tests show that performance with this wet grain is similar to what one can expect from fully dried corn, when either is used in complete rations. Poor performance may result, however, when grain and supplements are fed separately.

For top feed efficiency, Fowler suggests using high-moisture grain rations on pigs over 60 pounds. One should complete rations, rolling the corn first, then blending the supplement with it before putting the mixture into the feeder. Pelleted supplements may incorporate better with the rolled grain. Separation in some feeders is also reduced by using a pelleted supplement, rather than meal.

A person should mix only the amount of feed the pigs will consume in one day, when feeding a ration containing high-moisture corn, and use stainless steel feeders to prevent corrosion.

There are alternatives to the complete ration system, says Fowler, but they result in less satisfactory performance.

The separate feeding of corn and supplement usually results in over-consumption of grain and too low an intake of the supplement to support rapid, efficient growth. Calcium and phosphorus deficiencies are among the first signs observed when this happens. Feeding just the bare limit per pound of a supplement once a day often results in uneven nutrient intake. This can also mean poor herd performance.

The above guidelines also apply to the use of acid-preserved high-moisture grain. Without proper management, savings will be lost

But when the supplement and corn are blended together as recommended above, the pig will be getting a balanced ration with each bit, and one can be reasonably sure of top performance.

Dairy herd health program offered

UNIVERSITY PARK – A dairy herd health program being offered by The Pennsylvania State University is saving dairymen thousands of dollars by holding down medical costs and keeping milk production at maximum levels.

Called the Somatic Cell Testing Program, the system involves the measurement of somatic cells, otherwise known as leukocytes of white blood cells, present in the cow's milk. The measurement is made for a percentage of herds enrolled in the Pennsylvania Dairy Herd Improvement Association.

"There is a direct relation between the number of somatic cells in milk and the presence of mastitis," says Herbert C. Gilmore, Extension dairy specialist. "The normal cell count for a healthy cow is about 200,000 per milliliter of milk."

He points out that cell counts above 200,000 indicate an infection is present in the cow's udder. When the level goes to two million cells, a cow has a serious mastitis problem.

"When the leukocytes in the udder reach abnormal proportions, milk production is impaired. The largest drop, based on research, occurs when the cell count goes from 200,000 to 250,000 per milliliter of milk," Gilmore notes.

The Pennsylvania program, now being offered to 1000 herds, is designed to monitor the health status of every cow in these herds.

Initiated January 1, 1978, the Penn State program will not necessarily help those cows who already have mastitis problems. Dairymen use the test results to pinpoint cows that may be developing mastitis and then carry out measures to control the disease.

Gilmore says this system is another part of the regular DHIA testing and recordkeeping system. The DHIA supervisor collects the milk from each cow in the herd. Samples are shipped to the Penn State Central Milk Testing Laboratory where they are measured for butterfat and somatic cell content.

Two electronic machines record the leukocytes present in the milk. Up to 20 per cent of Pennsylvania's herds may be added to the program.

The annual migration of the gray whales - a 12,000 mile roundtrip trek from the Artic seas to the Baja Peninsula - is undertaken without a single bit of food. The whales prepare for the migration by feeding almost continuously in the food-rich region of the Bering Strait.

Hydroponics

(Continued from Page 120)

distributor for the hydroponics system which was developed by a company in Panama City, Fla. Paul Montgomery, his son explained the costs involved in constructing a building. "The whole house comes in a kit which includes seeds, tubes, pumps, etc. This kit costs $12,500. It supplies everything except the concrete and lumber for the growing tables." Paul said it would cost about $17,000 to get the building up and running, that is if you pay someone to do it for you. After labor and costs your first years income should be in the $10,000 neighborhood, he stated. The Montgomery's will replace their roof every two years. "It will cost a little over $400 to replace the two layers on the roof. We can change the roof in two hours" Paul said.

"The house takes up one-tenth of an acre and does the work of one acre" Paul said. "You can put six houses on one acre of land," he added.

Won't these houses overflow the vegetable market? According to Paul, "In the Philadelphia area, according to 1975 figures, they used 129 million pounds of tomatoes in one year. Even with a large number of houses, we'd only touch a small percentage of the market."

Paul said the "demand is great." People pay more for the tomatoes (the Montgomery's are getting about 70 cents per pound wholesale) "because they are aesthetically attractive, and vine ripened."

Presently there are two hydroponic houses in Lancaster County, and one in Chester County with two more being built.

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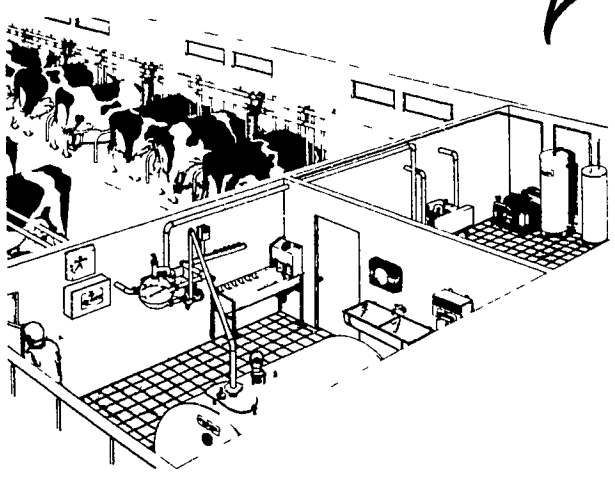

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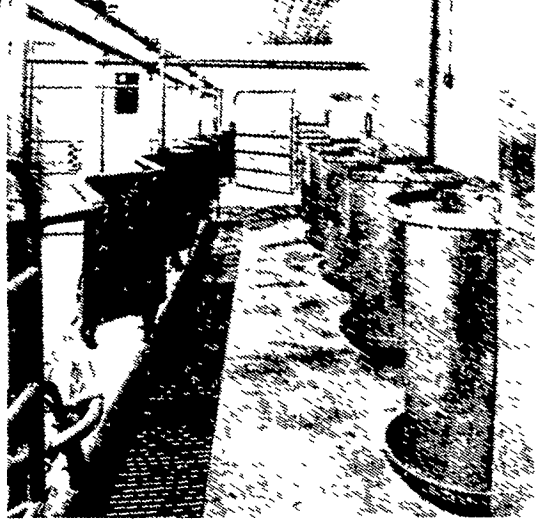

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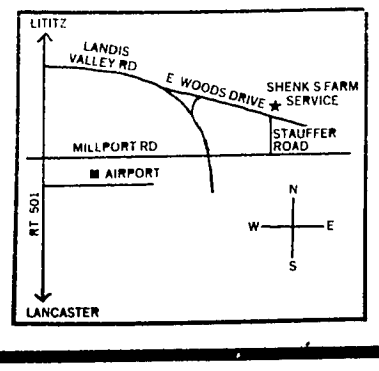

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Farm Credit Banks hold problem-sharing forum

By JOYCE BUPP
Staff Correspondent

COCKEYSVILLE, Md. – In an effort to seek how they can best serve the needs of young farmers of the mid-Atlantic area, the Farm Credit Banks of Baltimore hosted a Young Farmers' Forum on November 20 and 21 at the Hunt Valley Inn.

Almost 30 local Farm Credit offices from Pennsylvania, Maryland, Virginia and West Virginia sent representatives to the problem-sharing forum. Participants were encouraged to offer honest and frank opinions about their borrowing experiences with the cooperative's lending system.

Laying the groundwork for better understanding of the member-owned credit system, Baltimore Farm Credit administrative personnel explained briefly the cooperative's purposes, philosophy and operating methods.

Chairing the forum was vice-president Donald L. Shiflet. David Martin, assistant director of training explained "Who is Farm Credit?" "Where does the Money Come From" was answered by Vice President and Treasruer Gerry Maynard.

Regional assistant Vice-President Ron Byrd outlined details of "How We Make Credit Decisions" and Robert Carpenter, general manager of the Central Valley Federal Land Bank and Production Credit Association related his "Experiences with Young Farmers."

Then the floor was thrown open for a two-hour recommendations session. Three young farmer spokesmen were selected to condense and present a summary of that open forum to management and board members who attending the evening reception and dinner.

The general consensus of the session was that the Farm Credit district is too conservative. Participants recommended that each local and district elect one young farmer to be an at-large active voting member of the Board of Directors. Another suggestion was that each elected director be limited to two three-year consecutive terms.

In an effort to continue evaluating the problems of young farmers, conferees advised local boards to sponsor similar forums on county-levels. There were also requests for help in making management decisions, including financial counseling services, appropriate night courses, access to experts in related areas, a farming referral service to connect established farmers with young farmers needing capital and loan officers paying more frequent farm visits to assess long-range credit needs.

Under the weight of escalating farm costs and climbing interest rates, young farmers expressed a need for longer payback terms on operating loans and a speed-up of processing time for applications. Investigating the possibility of establishing interest rates in relation to the risk taken was also recommended.

One final suggestion was that local association managers be periodically evaluated to determine if policies are fully-serving the expanding needs of the farm community.

Poultry nutritionist joins U. of D. staff

Dr. William W. Saylor

NEWARK, Del. – Dr. William W. Saylor, a specialist in monogastric nutrition from Butler county, Pa., has joined the research and teaching staff of the University of Delaware,'s department of animal science and agricultural biochemistry.

Saylor, who holds both his M.S. and Ph.D. degrees in animal nutrition from Penn State, also earned an undergraduate degree in dairy science from the same institution.

At Delaware, Saylor expects to conduct research on trace mineral metabolism in broilers – a subject related to this earlier work in Pennsylvania. Among other things, he may be studying the possible toxicity of trace elements ingested by birds raised on recycled litter materials such as shredded newspapers or recycled urban waste.

"But my major emphasis right now," says Saylor, "is on identifying the practical nutritional problems of the poultry industry on the Delmarva peninsula."

According to department chairperson Dr. John K. Rosenberger, the nutritionist will also be teaching a basic course on feeds and feeding.

Linde has high producing cow

PETERBOROUGH, N.H - Lindenhof N F Fernia, a seven year old registered Gurensey cow, owned by K. D. Linde, has completed an official DHIR actual production record of 17,300 pounds of milk and 824 pounds of butterfat in 305 days two times a day milking, according to The American Guernsey Cattle Club.

The testing was supervised by Pennsylvania State University

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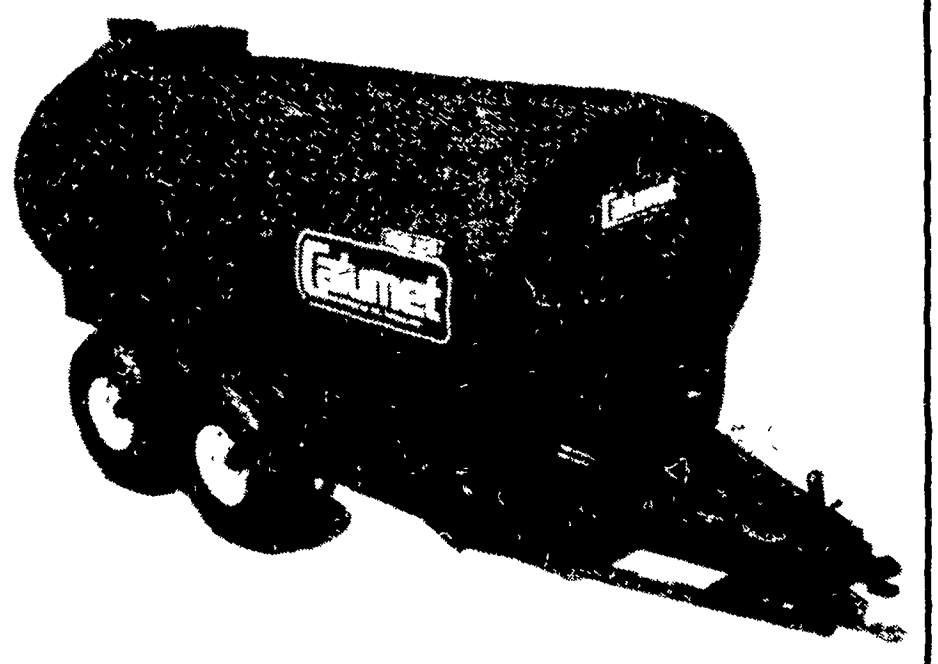

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Many changes loom in the future of farming

By JERRY WEBB

NEWARK, Del. – Some farmers don't like to admit it but, in general, and as a group, they are fairly conservative and reluctant to make big changes. So change has come to farming rather slowly over the past several decades. In the years ahead, however, a lot of changes will occur – not because farmers want them but because they will be forced into them.

Farm labor is one area where rapid change will occur due to new legislation. Anyone who follows the farm labor disputes in California or who knows about migrant labor working conditions in this area must realize that in time the laws will change.

By 1985 minimum wage laws and other legislation will cause farm labor prices to go up dramatically. This will force changes in farm organization and operation.

In the past, farm labor has been given lower minimum wage rates and has often been exempted from general labor legislation. But farm experts in Washington say this can't last much longer. In fact, an agriculture department report predicts that in the coming decade farm workers will be brought under the same minimum wage provisions as non-farmers. They will also receive the same extra benefits. By 1985 a farm worker can expect the same wage rates, fringe benefits, workmens' compensation, unemployment insurance and employment conditions. When that happens, farming will change more and faster than at any time in its history.

One likely result, according to the report, will be increased polarization. "On the one hand, we will have the farm small enough for all the work to be done by the operator without hired labor, and on the other, the farm large enough to face the ever more complex problems and regulations that will fall on labor management."

More expensive labor will cause other problems for the already financially troubled farmer. Big farmers will get bigger, small operators will be stuck, so to speak, at the size where the farmer and his family can handle the work.

Along with these changes will come a sharp rise in assets and debts – accompanied by only modest increases in farm income. The trend will be to meet the burden of debt payments by increasingly turning to leasing as opposed to ownership. The result will be that the farmer-owned share of assets, especially the more costly ones such as real estate, will decline.

More farm families will need to supplement their incomes with off-farm jobs, according to the report. Much of this nonnfarm income will be earned by farm families in the lower gross sales classes, who in turn will use it to pay off debts and underwrite assets.

"Paradoxically," credit may be easier to come by for the small farmer than the larger one. Traditional lenders appear willing to provide funds to farmers with off-farm jobs. But for the large commercial farms, more capital may be solicited from new sources such as large city banks and from old sources willing to change to accommodate the needs of large borrowers."

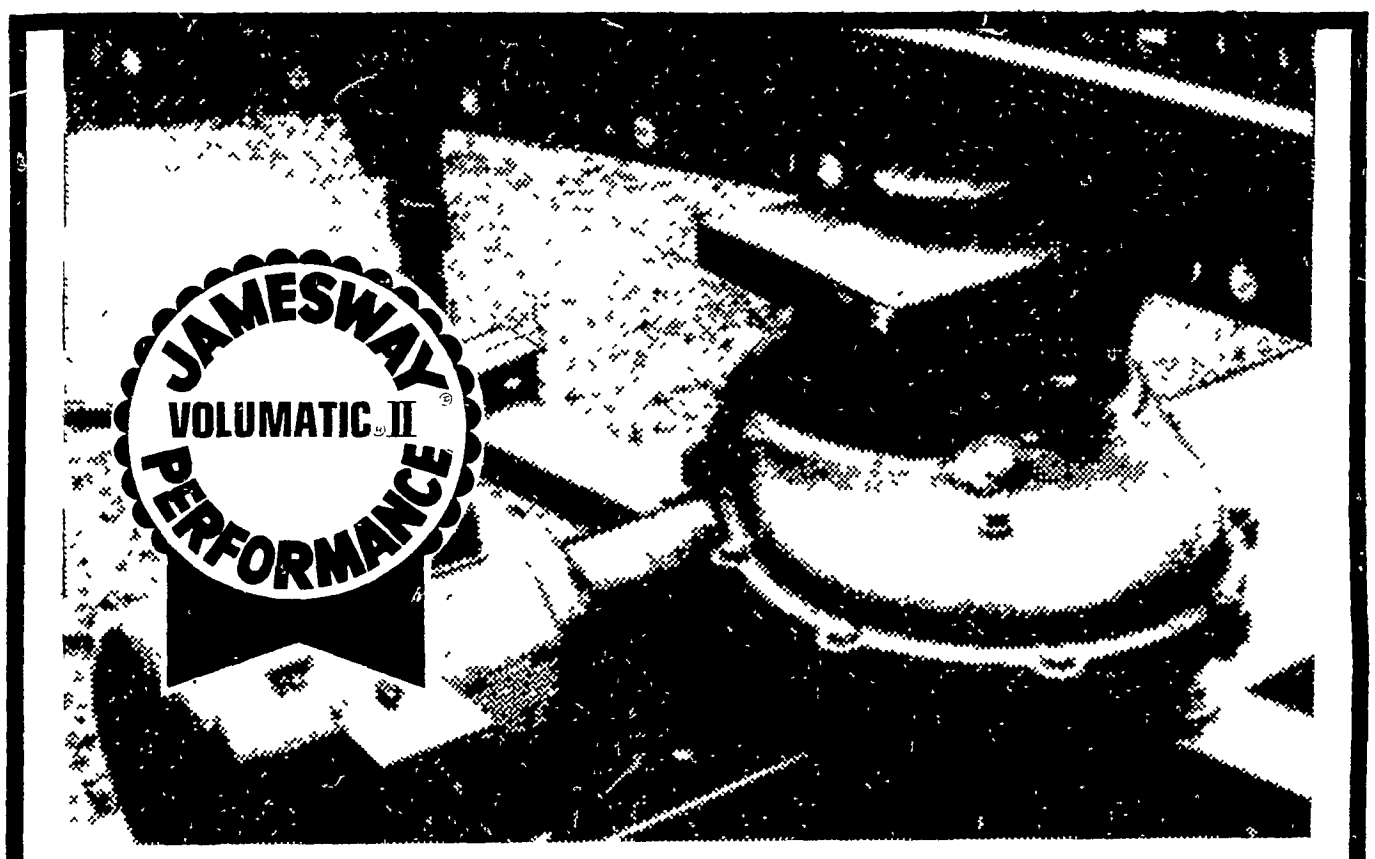
In the area of farm machinery, predictions are that by 1985 about 15 per cent more horsepower will be supplied by one-third fewer tractors – chiefly because larger, more powerful machines will be doing more of the work.

The environment will be a factor in pesticide technology. Environmental concerns will continue to bear upon the kind and quantity of pesticides used, with increased unit costs likely for certain chemicals needed for more selective treatment of weeds and insects.

"The controversy over land use is likely to have reached center stage by 1985. At the very least, there will be growing pressure for more direct government involvement in how land is used. Though our land supply is fixed, the amount is likely to be sufficient to produce the crops we'll need by 1985. Likewise, water-another vital natural resource – will still be available to us in abundant quantities," according to the government information.

The big changes that will come to agriculture during the next 10 years won't be the kind that show as you ride down country roads. Those agricultural robots and high-rise hog houses are still a long way off. But there's just no question that economic pressures will cause drastic organizational changes. Obviously, any farmer who expects to hire outside labor is going to have to pay a pretty big price. Once that decision is met, he is then going to have to organize his business so that he can, first, afford to pay his workers and second, have enough left so that he can pay himself.

Those farmers who now work for a buck an hour or less are going to find difficult paying a worker several times more than they are getting. If, on the other hand, they choose not to reorganize – to stay small and use family labor – they doom themselves to a life of low earnings or, at best, part-time farming.



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York Co. DHIA names outstanding dairy herds

By JOYCE BUPP
Staff Correspondent

YORK – Perennial winners captured several of the top awards presented annually to outstanding dairy herds during the York County banquet and meeting held by the Dairy Herd Improvement Association, held November 21 at the Avalong Farms Restaurant.

Sinking Spring Farms, Inc., York R22, was named the high herd in butterfat with an average of 762 pounds. The 66 cows in their registered Holstein herd also averaged 19,593 pounds of milk, second high in the county.

First place milk production was won by the Smyser's Richlawn Farm of East Berlin Road, York, family partnership of Richard, Robert and Rodney Smyser. Smysers' 64 head of Holsteins pumped out 19,693 pounds of milk and 741 pounds of fat to put them in the third spot for fat average.

With an impressive jump of 115 pounds of butterfat, Phillip Laughman, owner of Philka Holsteins at Thomasville R1, captured the trophy for the most improvement over 500 pounds. His leap from 598 pounds to 713 pounds of butterfat during the last year put the herd of 20 cows way out ahead of the closest competitor for this award.

Ramsey Cooper, Jr., from Delta R2, earned the award for the most improvement between 400 and 500 pounds of fat with an increase of 40 pounds. His mixed breed herd of 46 animals averaged 13,110 pounds of milk and 491 pounds of fat.

In the presentations to outstanding production by individual cows, the Sinking Springs herd again had a winner. "Sinking Springs Eden Lighter," a daughter of the Winterthur Eden Select sire, was high fat producer with a lactation total of 1157 pounds, and 28,018 pounds of milk. A four-year-old, she is classified at Good Plus-83

Woodbine Holsteins, owned by the George Knight family, won two individual cow awards. High milking cow in the county for 1978 was "Northcroft Elevation Ella," with a lactation total of 28,161 pounds of milk and 946 pounds of fat.

"Ella" is not only a top producer but a star of the showring as well. Daughter of the popular Round Oak Rag Apple Elevation, the four-year-old has won grand champion honors at several East Coast shows, as well as the recent Kentucky North American International Livestock Exposition. Recently classified at Excellent-94, "Ella" has topped off her exploits with the recent delivery of a set of bull-heifer twins.

Another famous Knight animal, "Woodbine Ivanhoe Mollie," Excellent - 97, received recognition as the high lifetime producer. Now 15 years old and successful transplant donor, "Mollie" has an accumulated record of 290,670 pounds of milk and 10,746 pounds of butterfat.

Singled out for individual awards at the York DHIA meeting were, from left: Rodney Smyser, representing Richlawn Farms, the high herd in milk; Dennis Kauffman, herdsman for Sinking Springs Farms, high herd in fat and high cow in fat; Phillip Laughman, most improved over 500 pounds; and George Knight III, high individual cow in milk and high cow in lifetime production.

Seven York County herds topped the 700-pound butterfat average. Accepting awards for that honor were, front from left: Bob Smyser, Richlawn Farms, and E. Wayne Beshore. Back, from left, are Wayne Myers, Galawn Farms; Dennis Kauffman, Sinking Springs Farms, and Phillip Laughman. Absent were David Stewart and Lynn Wolf.

A dozen county herds received recognition ribbons for herd averages over the 600-pound butterfat mark. Winners were Avalong Farms, Inc., York R7, 696 pounds; Thomas Boyer, Biesecker Road, York, 681 pounds; Wayne B. Mummert, East Berlin R1; 680 pounds Robert Stewart, Airville R1, 650 pounds; H.E. Fetrow and Sons, York R4, 649 pounds; Earl Fuhrman, Hanover R3, 649 pounds; Paul R. King, Delta R2, 641 pounds; Guy Leader & Sons, York, 636 pounds; Rutter Brothers, York, 622 pounds; McRal Dairy Farm, East Berlin R1, 607 pounds; Leroy Bupp, Seven Valleys R2, 602 pounds, and Hidden Springs Farm, Ad[illegible] Road Dover, 600 pounds

Three new directors were elected to three-year terms on the county DHIA board of directors. They are Tom Boyer, York; Mike Stewart, Airville; and Larry Reinhart, East Berlin.

Special guests included on the banquet program were dairy princess Patti Greek and the Sizemore family, who entertained with country-gospel music and singing.

County agent John T. Smith announced that the state DHIA has acquired another somatic cell testing machine and applicants on the waiting list will now be taken into the program. A meeting for somatic testing participants is being scheduled in Adams County on December 12.

Another service newly available is 365-day records on individual cows, available on request through the testers, and at a cost of about 20 cents each.

Supervisors for the York County association are David Miller, York; Vere Balmer, Wellsville; Tim Sizemore, Fawn Grove; and Mary Ann Walter, Airville.

Down Syndrom parent group to meet

HERSHEY – The first in a series of discussions on "How to Provide Future Care for Your Child" will be held at the Saturday, December 2, meeting of the Down Syndrome Parent Group at the Milton S. Hershey Medical Center of the Pennsylvania State University from 1 to 3 p.m. in room L-303.

Anyone desiring further information about the support group for parents of children with Downs Syndrome should contact Marianne C Landis, R.N., at 717-534-8412.

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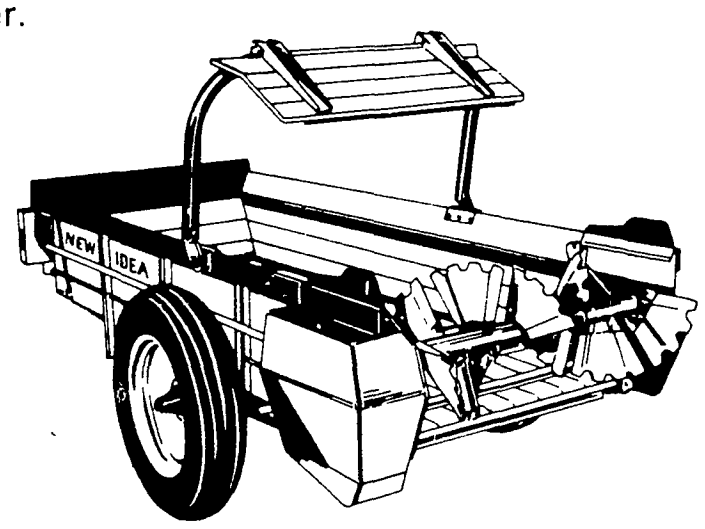

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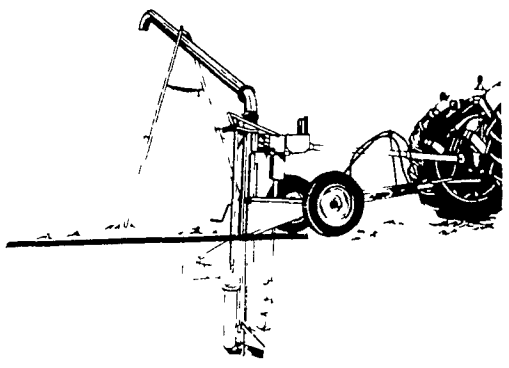

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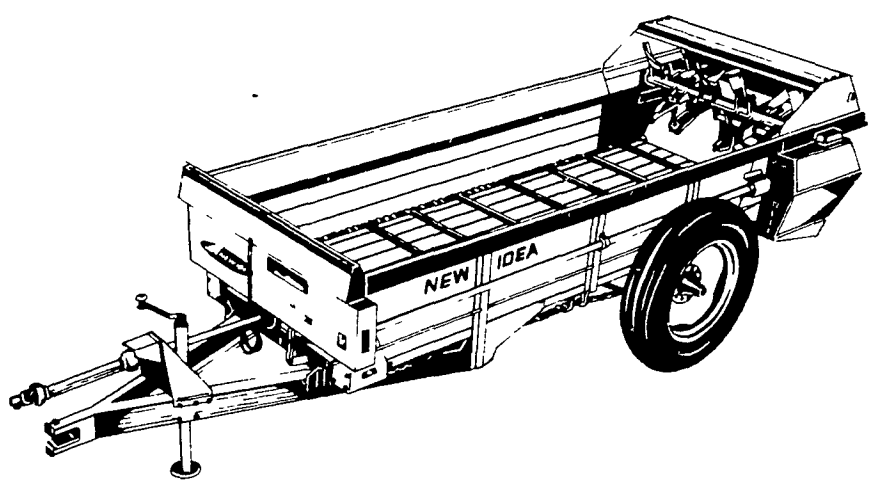

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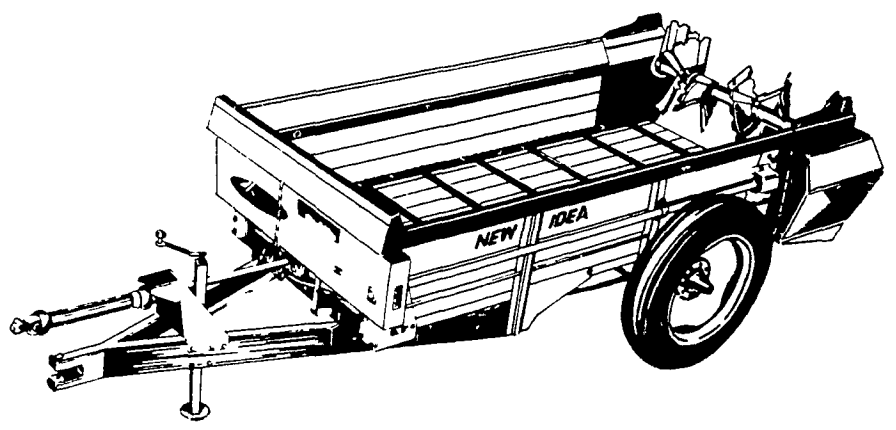

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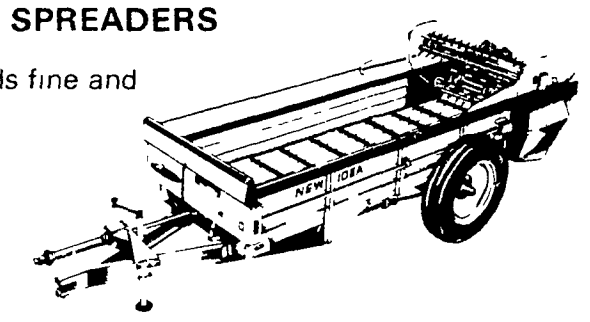

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Faith, commitment, pride and enthusiasm gave farm boy strength during six years of capture

Charlie Plumb, Kansas farmer and former POW, gave couples attending the Baltimore Farm Credit Forum an inspirational and motivating send-off.

By JOYCE BUPP
Staff Correspondent

COCKEYSVILLE, Md. – "I'm No Hero" is a book, written by Charlie Plumb. Those who've heard the outgoing, warm and personable Kansas farmer refuse to accept that opinion.

Faith, committment and pride are what sustained the young, farm-reared flier as he waited in solitary confinement, a numbered prisoner captured in enemy territory defending freedom in Vietnam. Today, he says that young farmers must find strength in those same characteristics.

Plumb stands as an inspiration to all who hear his spell-binding story. He was wrap-up speaker for the Baltimore Farm Credit's Young Farmers' Forum, held last week at the Hunt Valley Inn. Motivation is the message of Plumb's presentation and he sent the young farm couples back home to rural Maryland, Pennsylvania, Virginia and West Virginia rededicated to the challenges of farming.

A pilot with an engineering degree from Annapolis Naval Academy, Charlie Plumb was flying his 75th combat mission when enemy fire hit his plane. He and his co-pilot bailed out and watched their jet crash to the ground and burn, as they parachuted toward waiting enemy troops.

They took his name. They took his clothes and all his possessions. They took his body and tortured it for information. They took him to a tiny cell and locked him in solitary confinement. Ultimately, they took six years of his life.

After many days in solitary, Plumb received secret contact from another prisoner, Pennsylvania Bob Shoemaker. Eventually, the men were moved to another camp and settled into their day-to-day existence routine.

With an overriding desire to communicate among themselves, against strict rules governing talking, the POW's devised underground systems of contact. Morse code was tapped on walls and gutteral language of "coughs, sneezes, grunts, wheezes and spits" developed.

Spiritual strength became the tie among the fellowship of prisoners and underground prayer list added to their mutual support of one another.

After six years of meager vegetable and rice diets, uncertainty about home and loved ones and the discovery of reserves of faith and strength that few knew they possessed, release finally came.

"We were given a pair of trousers," recalled Plumb. "They had pockets – real pockets! And a real zipper! For years, all we'd had were pajama-type clothing with drawstrings."

Only after receiving proof that all the sick and injured had been sent home first did the POW's finally board the bus sent to haul them to transport planes headed for home and freedom.

Today, the Vietnam prison "alumni" meet periodically to renew friendships and keep track of how they're coping with the return to civilian life.

"It appears that most of us are healthier than those who weren't shot down," related Plumb, who spent his prison years at a thinned-down 125 pounds. "But that's because we had to develop proper attitudes to survive; we had to hold fast to the goal to return to our loved ones back home."

Only through total attention to those three ideals–faith, commitment and pride – can young farmers successfully operate under the stress of today's economic forces, Plumb insists: Walking proof of that belief, he's returned to the Kansas countryside to crop corn and soybeans between frequent speaking engagements across the nation.

"Hang on to your enthusiasm" he concluded. "It's the first thing you get when you enter this world and the first thing you're going to lose. If you want a feeling, grab that feeling and you'll have that feeling to hang on to."

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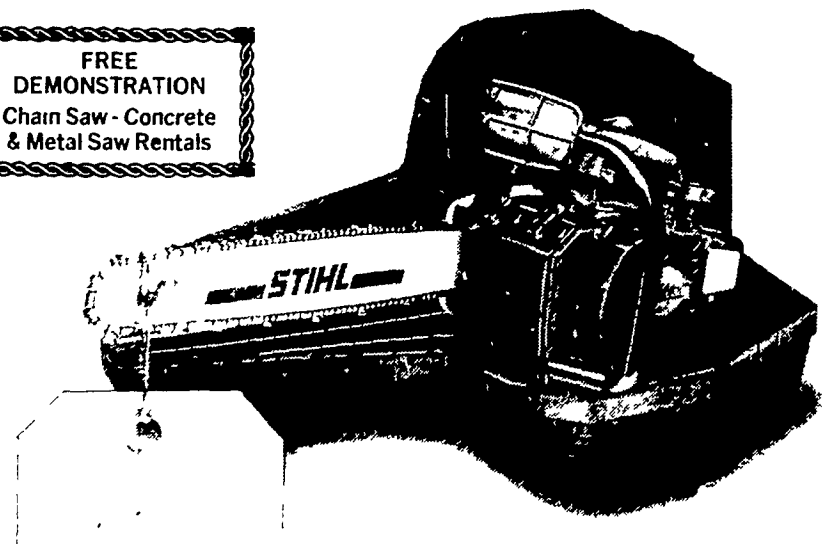

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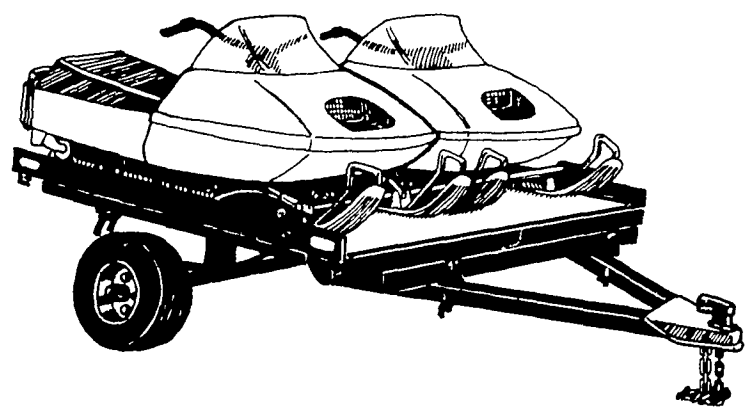

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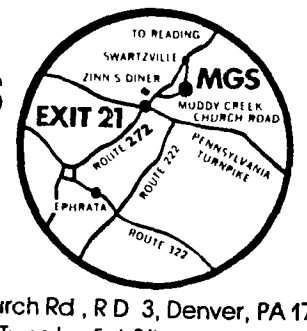

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Youth wins mum show

MEDIA – Ruth Green of the Delaware County 4-H Mum Club was awarded the Junior Trophy from the Delaware Valley Chrysanthemum Society Show. This trophy is awarded to the best entry in horticulture whose grower is under 19 years of age.

Ruth Green

Ruth won with a Red Haresugate Cascade Chrysanthemum which is considered difficult to grow. She is the daughter of Mr. & Mrs. David Green, Middletown Township.

Other 4-H'ers that participated in and won awards at the show are as follows: Jackie Lou Brown, Roger Cockerill, Pat McCafferty, Cliff Miller and Ray Miller, Ridley Township; Carol Elser and Caroline Krauss, Aston Township.

The 4-H Mum Club meets in Ridley Township under the leadership of Mrs. Helen McCafferty.

OSHA loses 928 rules

WASHINGTON,D.C. – The Labor Department recently completed its action revoking 928 provisions of safety standards deemed unnecessary or unrelated to job safety and health. Initially, over 1100 standards were indicated for possible revocation last December, but 172 failed to make the final cut.

Assistant Secretary of Labor Eula Bingham, who heads OSHA, revoked 607 selected general industry standards and 321 special standards. "Unnecessary and overly complex regulations place a tremendous burden on workers, employers, and on the agency's limited inspection resources," Dr. Bingham said.

The revoked standards made up roughly 10 per cent of the word volume of OSHA's standards, and were finalized as the result of extensive public review and comment. Commenting on the final action, Dr. Bingham added that it was one step "in our efforts to respond to the desires of President Carter and Congress that OSHA eliminate the so-called 'nuisance' standards and to reduce and simplify existing government regulations."

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Beef sale held

ARENDTSVILLE – The Adams County Beef Producers Association held its third annual "Freedom of Choice" calf sale recently at the South Mountain Fairgrounds in Arendtsville. Forty-eight head were sold with the average price per hundred weight $74.64.

Thirty-eight steer calves averaged 493 pounds and 75.52 per hundred weight. Four registered heifer calves averaged 400 pounds and 81.56 per hundred weight, while six other heifers averaged 475 pounds and 64.44 per hundred weight.

The champion cross-bred steer and champion Angus steer were both consigned by Spring Bottom Farms, Fairfield, and sold to Titus Lefever, Manheim and Robbie Hay, Gettysburg. The champion cross-bred heifer was consigned by Brown's Ranch, Gettysburg and bought by Jim Reichart, Littlestown. The champion Hereford steer was consigned by Pigeon Hill Farms, Abbottstown, and purchased by R. Claire Wolf, Biglerville. The champion Polled Hereford steer from Huckleberry Hall Farms, was bought by John Yorlets Jr., Mechanicsburg. The champion Polled Hereford heifer was consigned by Glen Cary Farms, Damascus, and purchased by David Shultz, Mechanicsburg. Champion Charolais steer from Lost Nation Stock Farm, Orrtanna, was bought by R. Claire Wolf, Biglerville.

Volume buyer was Stan Musser of Manchester who purchased 8 lots.

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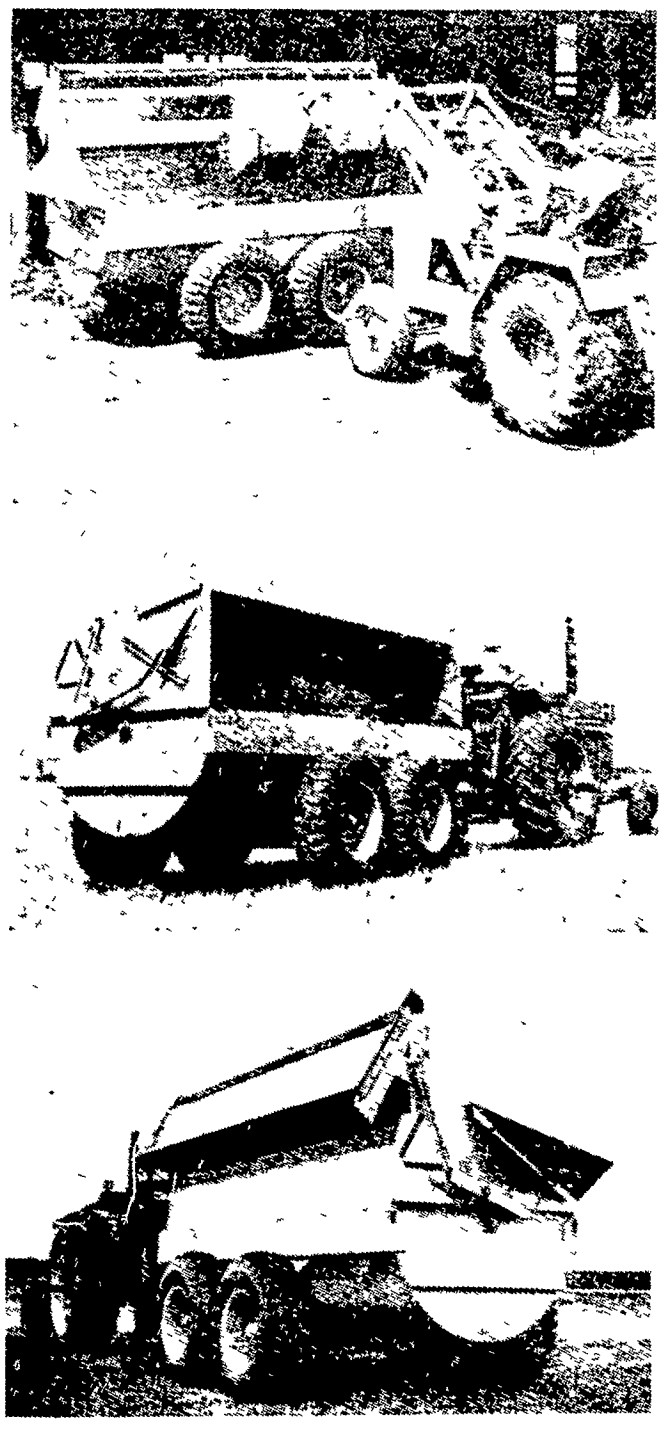

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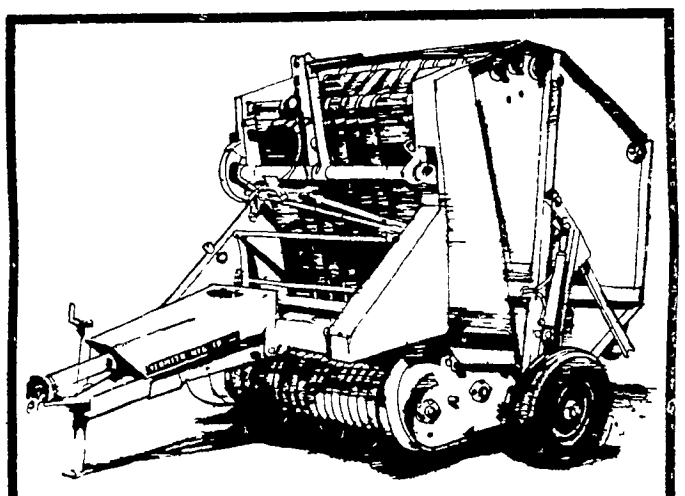

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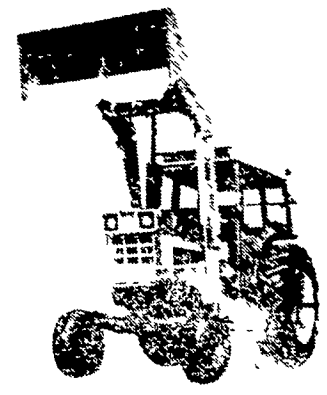

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Talent and art winners named at Grange meet

DENVER, Colo. - Talent contestants representing State Granges from all across the country competed for national recognition during the 112th Annual Session of the National Grange held November 13-20 in Denver, Colo.

First place winners in each division were (vocal) G.M.L. Gems, a female trio, Nampa, Idaho, (instrumental) Randall Wolfe, pianist, Circleville, Ohio, and (variety) Honnore Kerbert, humorous monologue, Constantine Mich.

Winners in the family musical competition were (vocal) The Johnson Three, Lewiston, Idaho, and (instrumental) The Arellano Family, Yakima, Wash.

Best of show winners in the art and photography contests were (adult,art) Donna Kern, Cuba, N.Y., (junior, art) Mark Mincey, Seymour, Tenn., (adult,photo) Frances Doyle, Northboro, Mass., and (junior,photo) Mike Copeland, Knoxville, Tenn.

Congress looks at nutrition labeling

WASHINGTON, D.C. – Senator George McGovern (D-S.D.), chairman of the Senate Agriculture Subcommittee on Nutrition, held oversight hearings recently on nutrition labeling. Testimony was heard from several industry representatives, and also from representatives of Giant Foods and the National Heart, Lung & Blood Institute regarding the pilot nutrition education program, "Foods for Health."

During the first half of the hearing, representatives from Pillsbury, Gerber, Ocean Spray, and Proctor & Gamble presented the industry viewpoint on nutrition labeling, stressing the need for maximum flexibility in labeling regulations. Witnesses called for a label that would be useful to consumers, simple and at the same time able to convey meaningful information. They also emphasized that regulations should be cost-effective, so that continuing analytical costs could be minimized. Witnesses also pointed out that the label would have to be adaptable to small labels, and that allowance would have to be made for natural variations in nutritional components. While recognizing that consumers do want cholesterol information, one witness questioned its usefulness, since new research has left the cholesterol question "wide open."

During the second half of the hearing, testimony was heard concerning the pilot nutrition education program being conducted here in Washington by Giant Food in cooperation with the National Heart, Lung & Blood Institute. Gerson Barnett and O'Donna Matthews of Giant Food, and the NHLBI representative Dr. Steve Zifferblatt presented background information on the program. In a carefully orchestrated presentation including slides and posters, Zifferblatt and Matthews outlined the program and the rationale behind it.

Zifferblatt conceded that nutrition information, especially in the area of heart disease, was still controversial. He pointed out that the federal government had been "silent for a long time...supposedly because there has been nothing definitive to say." He stated that NHLBI had been given a mandate by Congress to disseminate information and education, and said, "it doesn't charge us with saying something only when there's definitive evidence. We should say something regardless of the level of agreement on the evidence." He went on to say that scientists do have a role to play in trying to help people with nutrition information "even if all the evidence isn't in." That role, according to Zifferblatt, is to try to convey "what we know, and what we don't know," so that consumers can make an informed choice themselves.

Another hearing will be held in February, and at that time producers will have an opportunity to make their views known.

Computerized rations coming for cows

NEWARK, Del. – A computer program to help Delaware dairymen calculate feed rations for their cows is now in the works, report representatives of the Delaware Cooperative Extension Service. When it is ready for use, the service should mean sizable savings for the state's dairy industry.

The program which was developed by a University of California extension dairy nutritionist, Dr. Donald Bath, was demonstrated at the recent Five-State Holstein Breeders Seminar at Rehoboth, Delaware. Dairy farmers present at that meeting were highly enthusiastic over the idea.

Basically a technique for least-cost feed formulation, the program takes bovine nutrient requirements, the cost of available feeds, and the price farmers are getting for milk and from this data determines the optimum feed rations for a cow or group of cows. It can be accessed by remote computer terminals over regualar telephone lines.

Savings from use of the program will depend on the production level of each farm and each cow. Dr. Bath reports savings in California in the neighborhood of $5 per ton of feed for low milkers in a herd, and around $20 a ton of feed for high milkers. Over a year this can represent a considerable economy.

The California program has already been converted for use on the University of Delaware computer. Tests are now being run to be sure it is working properly. Once these are completed, it will be made available to Delaware dairy farmers. The new service is being coordinated by Dr. George Haenlein, state Extension dairy specialist, and funded by the Delaware Cooperative Extension Service.

Energy saver kits available

RONKS - Pennsylvania Power & Light Co. is part of a project to make available a kit which can help its customers plug up energy "leaks" in their homes.

The mail-order "Energy Saver Kit" includes 10 receptacle plug-in covers, seven electric outlet draft eliminators, three electric light switch draft eliminators and do-it-yourself instructions.

Also included are two shower head flow restrictors and an energy meter developed by PP&L to help customers determine insulation levels.

Special tests conducted by a Texas electric utility showed that electrical wall outlet openings are among the biggest culprits in allowing outside air to enter the home. Draft eliminator gaskets were found to reduce the outlet leakage about seven per cent of its original amount.

Flow restrictors, which are placed inside the shower head, are designed to save water. By using the energy meter, the homeowner can judge the effectiveness of present wall and ceiling insulation and decide whether or not to add more.

The kits have been advertised throughout PP&L's 10,000-square-mile service area. Consumers can order the kits by sending a check or money order to Energy Saver Kit, P.O. Box 2000, Ronks, Pa. 17572. The $2.35 purchase price includes no profit for PP..L.

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A thick wad of plastic credit cards carried in the hip pocket has given rise to a new medical malady called "wallet sciatica." The wallet puts extreme pressure on the sciatic nerve, causing thigh and lower back pains. The cure? A walletectomy - removing the offending bundle from the sensitive spot.

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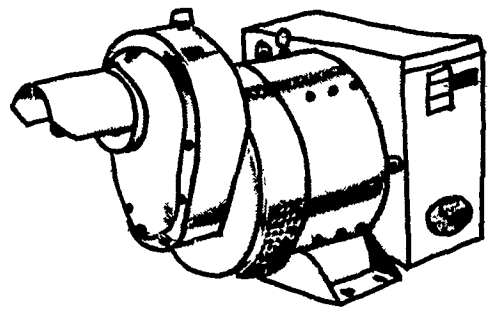

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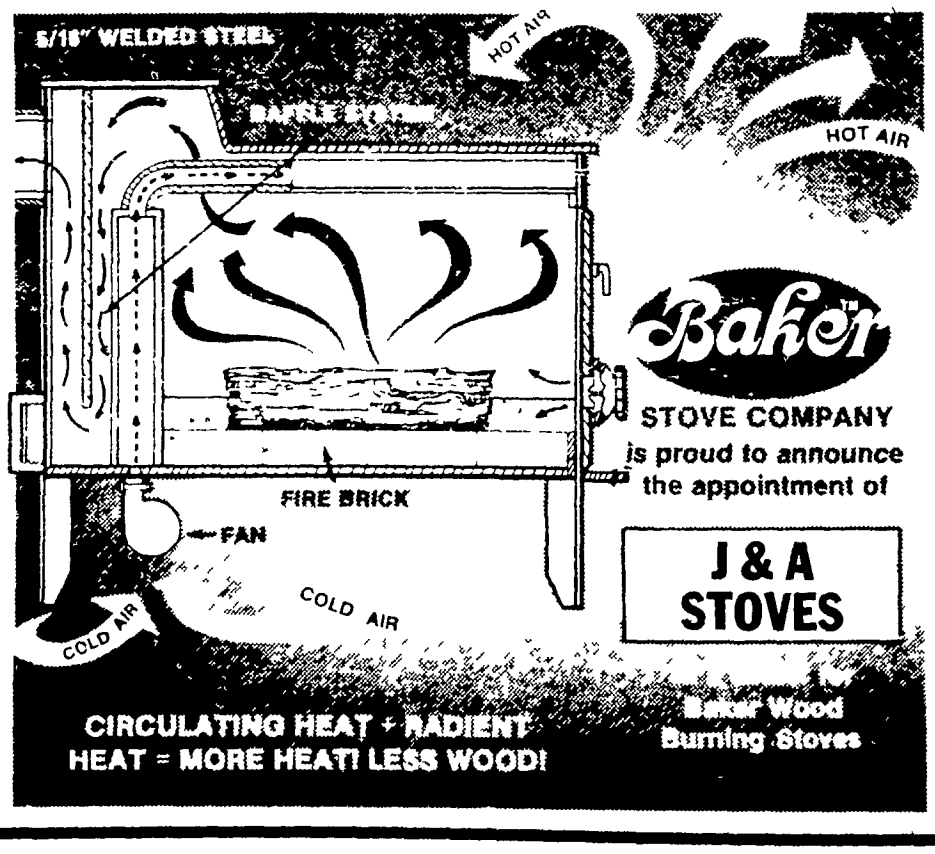

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Stauffer, Tate named to new posts at Weaver

NEW HOLLAND – Victor F. Weaver, Inc. recently announced the appointments of Harold S. Stauffer, Lancaster, to the position of employment and training manager in the personnel department, and Allen E. Tate, Lancaster, has been promoted to the position of public relations manager of the New Holland food processing firm.

Tate, a graduate of Elizabethtown College, has been with Weaver's since 1969. An active member in civic affairs, Tates new position will include management of Weaver community affairs activities, corporate communications and public relations, press relations, employee relations, and other public relations activities.

Harold S. Stauffer

Allen E. Tate

Stauffer, a graudate of Franklin and Marshall College, joined the Weaver staff in 1976. In his new position, Stauffer will be responsible for managing personnel and employment activities, corporate training programs, and other personnel activities.

Various alfalfa pests studied

UNIVERSITY PARK - Control of insects in alfalfa can yield greater benefits than meets the eye, says Dr. Kenneth T. Leath of the U.S. Pasture Research Laboratory at Penn State. He claims the interaction of insects and diseases are not apparent immediately.

Dr. Leath and associates have found that Winter kill of alfalfa, for example, can be traced to stress on plant roots from too frequent harvesting or from insect injury. Both lead to root rot among weakened plants and can result in Winter kill. Pasture Laboratory scientsist conduct research for the U.S. Department of Agriculture.

"Our experiments show that stand appearance after final harvest in the fall may lead to the conclusion that all is well when this is not the case. Poor growth of alfalfa in the Spring may result from hidden problems the previous year," he affirmed.

Crown and root rot of alfalfa, for example, product the most disease when the plants are under stress of some kind. When alfalfa is harvested too frequently, root rot can become more severe than otherwise.

"Perennial forages such as alfalfa are subjected throughout their lives to a series of stresses that occur sometimes simultaneously, sometimes sequentially, but always cumulatively," Dr. Leath declared.

He said a very serious stress on alfalfa is caused by the feeding of leafhoppers, aphids, and other insects on the leaves and stems. The effects are obvious on the tops of plants but are not obvious on the roots.

"The interaction of insect feeding with root and crown rot is important, because it points out the possible error in considering insect infestations and disease as separate, distinct problems," Dr. Leath observed.

Aphid and root rot experiments were carried out in controlled-environment chambers by Dr. Robert A. Byers, entomologist with the U.S. Pasture Research Laboratory, and Dr. Leath. Aphids were caged on individual plants, the roots of which were inoculated with a fungus causing root rot.

The amount of root rot development was compared with that growing in inoculated roots of plants not subjected to the stress of aphid feeding. The most severe root rot developed when plants were inoculated and under stress from aphid feeding.

Later experiments featured a field insectary used to test the impact of leafhopper injury on root rot development. Plants subjected to both root rotting fungi and insect injury developed the most root rot.

Adams Co. sheep producers meet

CROSS KEYS - A crowd of 55 enthusiastic sheep producers attended the First Annual Adams County Sheep Producers Association Dinner recently held at the Cross Keys Diner, Cross Keys.

Certificates of Appreciation were presented to Jarred Tyson and John Schwartz for their assistance to the association.

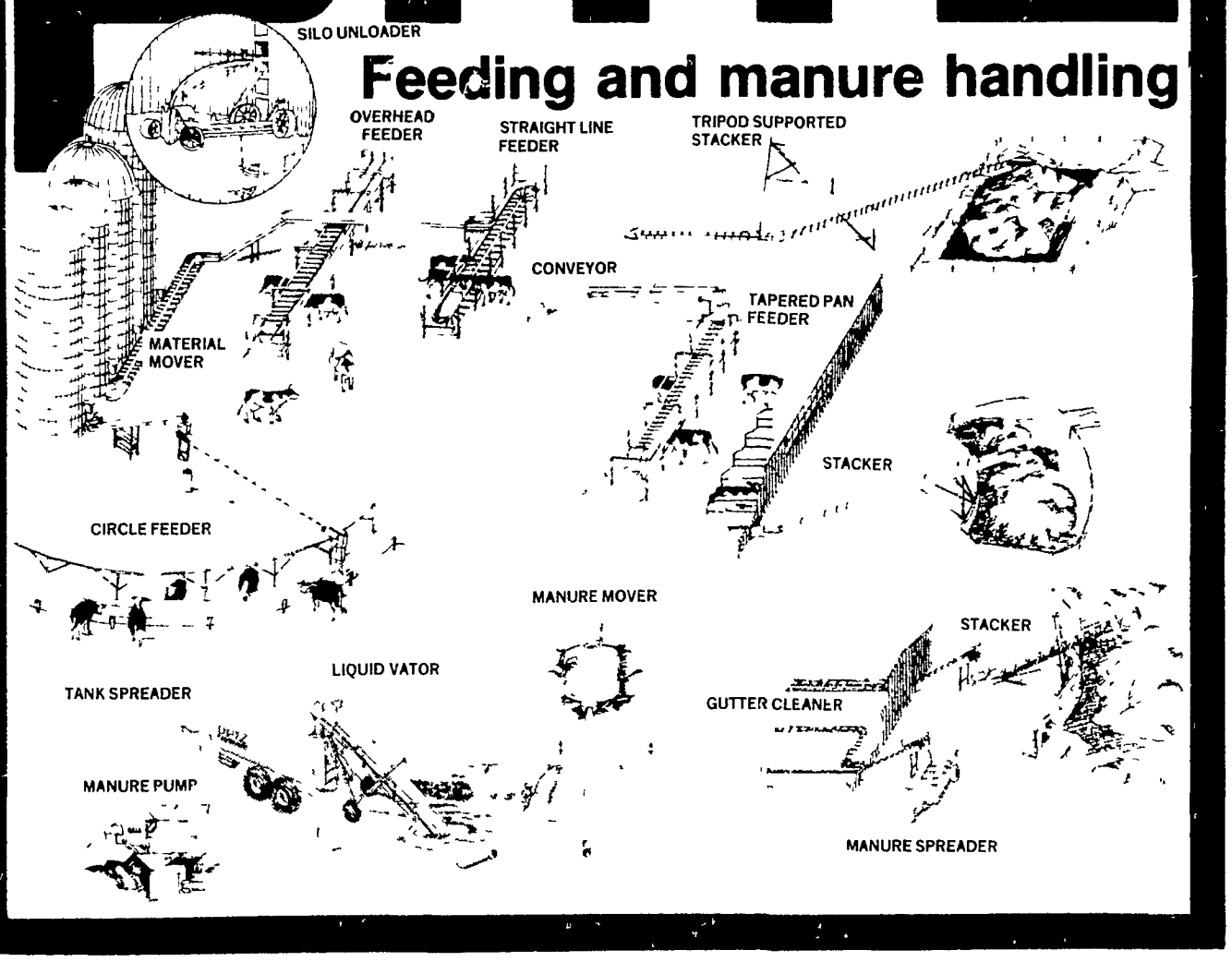
Newly elected officers for the year 1979 are President, Wallace Murdoch; vice president, Mrs. Wallace Murdoch; Secretary-Treasurer, Mrs. Frank Darcey, Jr.

An excellent film, The American Sheepman-A Way of Life narrated by Jim Davis (now staring in the TV series Dallas), was shown and door prizes were awarded.

A count was taken and with those present, they represented ownership of approximately 800 head of sheep in the County.

Anyone wishing further information about joining this progressive organization may contact Wallace Murdoch or Becky Darcey.

PATZ



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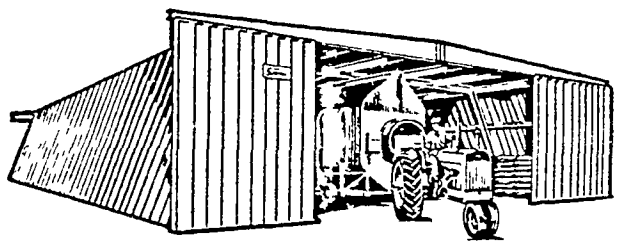

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LIFE on the farm

By Dieter Krieg, Editor

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It's true. A woman's work is never done.

I've become gradually aware of that fact, and each year that belief is reinforced more and more

Now, there are those ladies who let the dishes pile up in the sink while they're watching soap operas instead of suds, and their work - to no one's surprise - is never done. Then there are those who fuss too much about fingernails, hairdos, complexion, figures, etc. and they never catch up with their chores.

My mother is one woman who seemingly is always behind with her work too, but it's not because she watches too much television or endulges in too many naps.

She just simply has too much to do

Long after supper has settled into the depths of satisfied tummies, and many another housewife can begin to relax, my mother changes into her work clothes and walks to the barn Her path is lit only by the moon and bright stars. Although the night is still young, the day is quite old. There is still lots of work to be done.

Her destination is the calf barn. A dozen - sometimes several dozen - calves welcome her with a chorus of distinctive bawls There are strong and weak voices in the crowd The more vigorous ones are quite vocal; the weaker ones bawl only meagerly, and the very ill calves can only muster a faint squeal for help.

Mom hears them all, even if they make no sound at all She's dedicated to her work, which is why she's still at it late at night. The sparkling stars above mirror her devotion

In a small room of the calf barn, an electric hot-plate is plugged in and a kettle of tea is coming to a boil A pot of oatmeal sits nearby. Strange as it may seem, they're both "special menu" items for weak calves. Mom has doctored thousands of the cute little creatures and has found both tea and oatmeal to be helpful.

Colostrum and other milk which is not potable have already been brought over from the milking barn, where 10 machines were pulsating only a half hour earlier The men's work has ended for the day, but a big job is just beginning for Mom as she prepares to feed her many calves

Some calves receive colostrum, others get whole milk, and still others get a mixture of warm water and milk replacer. A few get the special order of tea or oatmeal All get full measures of attention

The calves show their appreciation in the usual ways, depending largely on their state of health.

While Mom doesn't like having a bucket slammed into her legs, with the contents covering her from the lap on down, that hearty thrust of the head is at least a sign of vigor. She doesn't have to worry about those frisky individuals. With tails slapping from side to side, and heads straining eagerly to get a taste of the warm milk, there's no doubt those calves appreciate their feeding.

Love is the key. Mom loves them all: from the strongest to the weakest and cleanest to dirtiest. She'll spend a half hour feeding a single calf if that's what it takes In between she doctors them with medications and grooming. She's a veterinarian, nurse, nutritionist, and cleaning lady.

The night grows longer as she continues to go about her work in very methodical fashion. I might think she's done, but no, she's not. She makes sure that all of the dry feed is within easy reach of those that are to have it. A final check is made to be certain that every calf has as clean a bed as can possibly be provided. If there's a draft, or it's cold, something is done about that too.

But before any of those final rounds are made, one other important task needs to be taken care of: 16 cats are waiting for their milk and food.

Missions accomplished, Mom turns off the lights and returns to the path which is lit only by the moon and stars. It won't be long before the same routine starts all over again in the morning And just because this portion of her work is taken care of, it doesn't mean that all of her work is done. There's mending to do, meals to be planned, letters to be written, plants to be watered .. .

A woman's work is never done My mother's duties are as plentiful as the stars.

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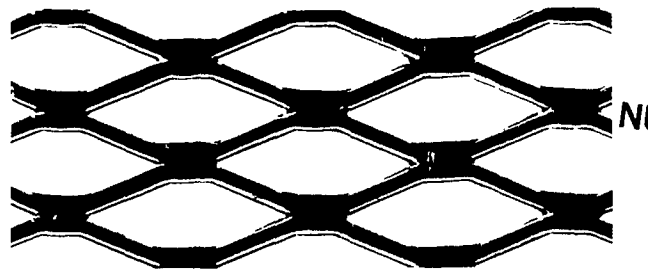

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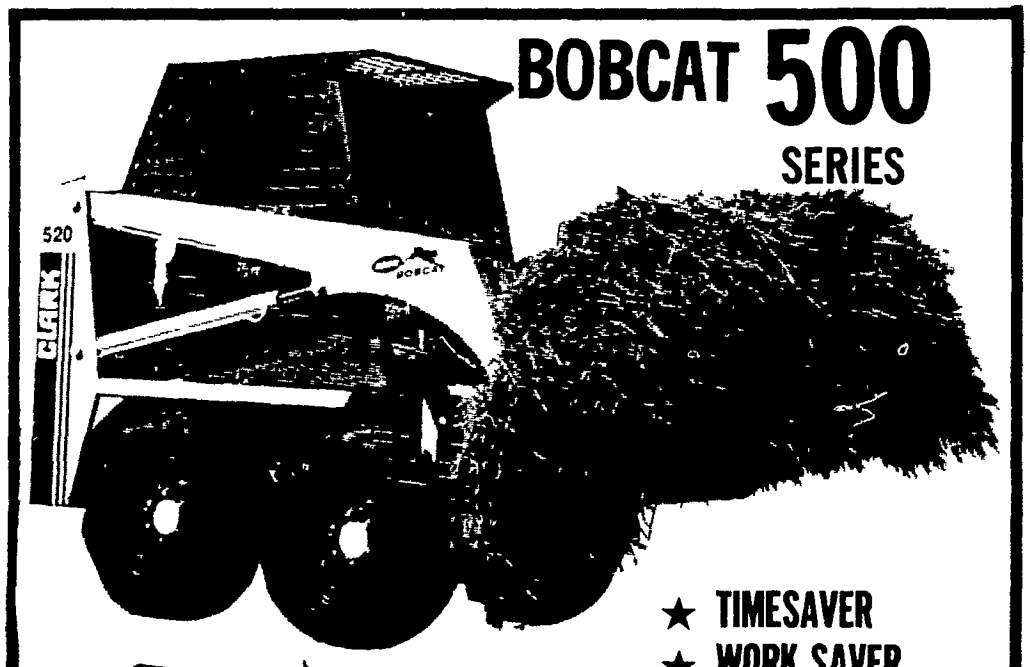

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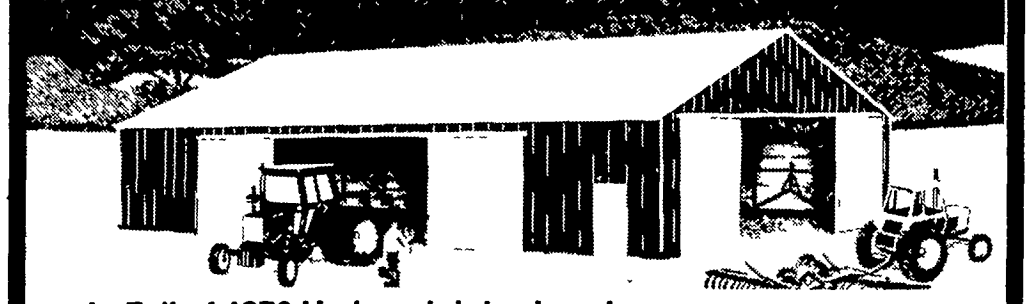

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Seen with the 4-H grand champion steer is Danny George of George's Foodliner, who purchased the animal. The steer was shown by David Huff.

Eastern Pa. 4-H beef

(Continued from Page 101)

pounds and the total sales were $41,519.00.

The total weight of the lambs in the sale was 3,932 pounds and the total sales were $4,073.00

Results of the show follow:

BEEF

Light Lightweights

1. Brian Ruch, New Ringgold, Lehigh County; Reserve Champion Light Weight; 2. Roy Teaford, Trappe, Montgomery County; 3. Carlene Troxell, Lehighton, Carbon County; 4. David Schultz, Nazareth, Northampton County; 5. Kenneth Troxell, Lehighton, Carbon County; 6. Tim Litzenberger, Kintnersville, Bucks County.

Heavy Lightweights

1. Dianne Troxell, New Ringgold, Schuylkill County; Champion Light Weight; 2. Kenny Ruch, New Ringgold, Lehigh County; 3. Harold Benner, Quakertown, Bucks County; 4. Perry Schultz, Collegeville, Montgomery County; 5. Margaret Schultz, Collegeville, Montgomery County; 6. Ralph Danner, East Texas, Lehigh County.

Light Mediumweights

1. Diane Krause, Slatington, Lehigh County; Champion Middle Weight; 2. Dale Guest, Nazareth, Northampton County; 3. Carlyn Troxell, Lehighton, Carbon County; 4. Glenn Wuchter, Northampton, Northampton County; 5. Karen Wuchter, Northampton, Northampton County; 6. Mark Thomas, Bedminster, Bucks County; 7. David Danner, East Texas, Lehigh County.

Medium Mediumweights

1. Allen Miller, Nazareth, Northampton County; 2. Blair Hower, Northampton, Northampton County; 3. Melissa Fretz, Zionsville, Lehigh County; 4. Gwen Hower, Northampton, Northampton County; 5. Jeff Seidel, New Tripoli, Lehigh County; 6. Doug Rumberger, N. Collegeville, Montgomery County.

Heavy Mediumweights

1. Jane Sikorski, Emmaus, Lehigh County; 2. Dave Rumberger, Collegeville, Montgomery County; 3. James Poliskiewicz, Bangor, Northampton County; 4. David Troxell, New Ringgold, Schuylkill County; 5. Seth Gruber; New Tripoli Lehigh County; 6. Denise Kalish, Schuylkill County; 7. Keith Breininger, New Tripoli, Lehigh County.

Light Heavyweight

1. David Huff; Lafayette Hill, Montgomery County; Champion Heavy Weight; 2. Joe Sikorski, Emmaus, Lehigh County; 3. Kevin Troxell, Lehighton, Carbon County; 4. Dean Ruch, New Ringgold, Lehigh County; 5. Tammie Wagner; Bethlehem, Northampton County; 6. John Quartuccio, Perkasie, Bucks County; 7. Duane Ruch, New Ringgold, Lehigh County.

Medium Heavyweight

1. Grant Grim, Breinigsville, Lehigh County; 2. Rusty Bryant, Worchester, Montgomery County; 3. Roseann Greenberg, Wrightstown, Bucks County; 4. Daniel Troxell, New Ringgold, Schuylkill County; 5. Dale Troxell, New Ringgold, Schuylkill County; 6. Darin Ruch, New Ringgold, Lehigh County.

Heavy Heavyweight

1. Carol Krause, Slatington, Lehigh County; Reserve [illegible] heavy weight [illegible] Wilson, Mertz[illegible], Lehigh County; 3. John Rohr, Hatfield, Montgomery County; 4. Gail Snyder, New Tripoli, Lehigh County; 5. James Dunn, Schuylkill County; 6. Susan Dunn, Schuylkill County; 7. Steve Dunn, Schuylkill County.

Grand Champion

David Huff

Reserve Grand Champion

Carol Krause

Lamb

Lightweights

1. Melissa Fretz, Zionsville, Lehigh County; Champion; 2. Kevin Reinert, Slatington, Lehigh County; Reserve Champion; 3. Scott Reinert, Slatington, Lehigh County; 4. Susan Breininger, New Tripoli, Lehigh County; 5. Russell Drissel, Coopersburg, Lehigh County.

Light Middleweights

1. Ruthann Hunsberger, Danboro, Bucks County; 2. Marlyn Stroh, Breinigsville, Lehigh County; 3. Teresa Fink, Slatington, Lehigh County; 4. Dwayne Reinert, Slatington, Lehigh County; 5. Sarah Fretz, Zionsville, Lehigh County; 6. Bonnie Hottle, Coopersburg, Bucks County.

Heavy Middleweights

1. Gail Snyder, New Tripoli, Lehigh, Champion Middleweight; 2. Bethann Nehoda, Doylestown, Bucks County; Reserve Champion Middleweight; 3. Arthur Yoder, Doylestown, Bucks County; 4. Ketih Breninger, New Tripoli, Lehigh County; 5. Robin Bear, New Tripoli, Lehigh County; 6. Paul Drissel, Coopersburg, Lehigh County.

Heavyweights

1. Andy Wagner, Bethlehem, Northampton County; Champion; 2. Ruth Grim, Breinigsville, Lehigh County; Reserve Champion; 3. Cheryl Almer, Nazareth, Northampton County; 4. Sharon Raab, Hartsville, Bucks County; 5. David Schultz, Nazareth, Northampton County; 6. Joshua Grim, Breinigsville, Lehigh County.

Grand Champion

Gail Snyder

Reserve Champion

Bethann Nehoda

Pair of Lambs - Lightwe

1. Gail Snyder, New Tripoli, Lehigh County; Reserve Grand Champion Pair; 2. Keith Breininger, New Tripoli, Lehigh County; 3. Andy Landes, Doylestown, Bucks County; 4. Dwayne Reinert, Slatington, Lehigh County.

Pair of Lambs - Heavyweight

1. Ruth Grim, Breinigsville, Lehigh County; Grand Champion Pair; 2. Bethann Nehoda, Doylestown, Bucks County; 3. Dave Samkavitz, Doylestown, Bucks County; 4. Susan Breininger, New Tripoli, Lehigh County.

CCC credit rates up

WASHINGTON, D.C. – Effective Nov. 17, interest rates for financing sales of U.S. agricultural commodities under the Commodity Credit Corporation export credit sales program were increased by one per cent.

Fred Welz, acting general sales manager for the U.S. Department of Agriculture, said the new rates for six to 36-month credit terms will be 10 1/2 per cent with a U.S. bank and 11 1/2 per cent with a foreign bank repayment guarantee.

All sale registrations received by CCC on or after Nov. 17 will be charged the new interest rates.

This action amends the interest rates announced Sept. 15.

AGWAY

— FREE —
BOX OF KOWTOWELS
TO FIRST 5 CUSTOMERS
TUES. & WED.
DEC. 5 & 6 ONLY!

ATTENTION FARMERS!

STORE MANAGER'S CLEARANCE!

15% OFF On All Parts In Stock
STOCK UP NOW & SAVE!

20% OFF On All Steel & Aluminum Roofing In Stock.

TWO DAYS ONLY
PRICED TO MOVE

NEW EQUIPMENT

1-Starline shuttle feeder
15-6 ft. horse fencing
6-all corn cribs in stock
1-Starline conveyor
30-4" & 6" Certaflex drain pipe
60-10 ft. PVC drain pipe, 4"
1 Perf-a-lot
water bowls
Gutter & acc. for rain carrying equipment
4-Heated hog waterers
1½" glass tubing

USED EQUIPMENT

4-Milk bulk tanks, various sizes
2-Dumping stations
1" glass tubing
30-Electric motors (1-7 h.p.)
1-SS pipeline for 36 cows
1-Barn cleaner (Patz)
3-Vacuum pumps
3-Condensing units
2-Pipeline washers
20-Surge milk pails
Many small milker parts
Many parts for equipment

10% - 30% OFF
ON ABOVE ITEMS

LANCASTER FARM STORE

1140 Dillerville Rd., Lancaster, PA
Phone: 717-394-0541
Tuesday & Wednesday Store Hours: 8 A.M. - 5 P.M.

AGWAY

CHEESE
A FAVORITE DAIRY

WHITE BULLETIN

WHITE ANNOUNCES WAIVER OF FINANCE ON ALL TRACTORS, COMBINES AND IMPLEMENTS

Offer Effective November 1 thru December 31, 1978

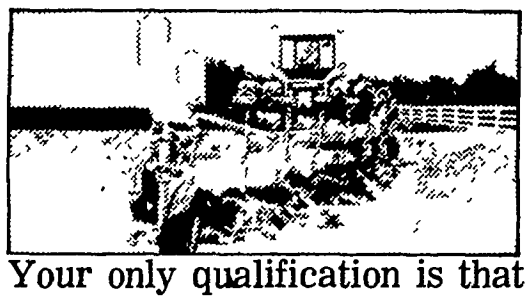
Now you can buy a new White® planter or tillage implement or any new or used tractor or combine between November 1 and December 31, 1978 and pay no finance charges until April 1, 1979.

White's tractor lineup includes all two and four-wheel drive models from 50 to 180 PTO horsepower. Also included is the new 210 engine hp 4-210 Field Boss.®

White's Havest Boss® combines include the 8900, 8600, 7300, and 5542 self-propelled models plus the 8650 pull-type combine. Planters include both Plant/Aire® and platetype models. Moldboard and chisel plows, disks and field cultivators complete the tillage line.

Pay No Finance Charges Until April 1, 1979

"Make your best deal with your White dealer on any tractor, combine, planter or tillage implement," explains a Company spokesman. "Then, White will waive all finance charges on your purchase until April 1, 1979. Your trade-in may well qualify as a down payment.



Your only qualification is that each deal must be arranged through White Motor Credit Corporation.

"Now is the time to guarantee that you will have the equipment you will need next year at a deal you'll probably never be able to match again."

ARNETT'S GARAGE
Rt 9, Box 25
Hagerstown, MD
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112 S Railroad St
Martinsburg, PA 16662
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FARNSWORTH FARM SUPPLY INC.
103 Cemetery St
Hughesville, PA
717-584-2106

PAUL W. HISTAND CO., INC.
697 N Main St
Doylestown, PA
215-348-9041

SHUEY'S SALES SERVICE
Ono, PA
717-865 [illegible]

PAUL M. BYERS, INC.
1700 Edgar Ave
Chambersburg, PA 17201
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GUS FARM EQUIPMENT, INC.
Seven Valleys, PA
717-428-1356

CHAS. J. McCOMSEY & SONS
Hickory Hill, PA
215-932-2615

STANLEYS FARM SERVICE
RD 1 - Off Rte 125
Klingerstown, PA
717-648-2088

NORMAN D. CLARK & SON
Honey Grove, PA
717 734-3682

HANDWERK BROS. SERV. CENT.
RD 1 - Neffs
Slatington, PA
215-767-5946

MILLER EQUIPMENT CO.
RD 1
Bechtelsville, PA
215-845-2911

STOLTZFUS FARM SERVICE
Cochranville, PA
215-593-2407

FARMERSVILLE EQUIPMENT, INC.
RD 4
Ephrata PA
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N. G. HERSHEY & SON, INC.
Manheim, PA
717-665-2271

ERNEST SHOVER FARM EQUIPMENT
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Carlisle, PA
717-249 2239

IVAN J. ZOOK
Route 655,
Belleville, PA
717-935-2948

Farm exports face competition and controls

WASHINGTON, D.C. – U.S. agricultural exports in fiscal year 1979 are expected to rise about six per cent from last year's record total of $27.3 billion to about $29 billion, according to the U.S. Department of Agriculture.

The forecast was released by Thomas R. Saylor, associate administrator of the Foreign Agricultural Service, in remarks prepared for delivery here recently at the Department's annual Food and Agricultural Outlook Conference.

Saylor said export volume may change little from the record 122 million tons of fiscal 1978, but that higher average prices for major export commodities were expected to push export value to the new high.

He said agricultural imports are forecast at $14.1 billion, which would produce an agricultural trade surplus of $14.9 billion, about $1.5 billion more than in fiscal 1978.

Foreign demand is strong, particularly for soybeans and protein meal, Saylor said, noting that the United States will be the only major supplier of these commodities until the Brazilian soybean harvest next spring.

He said export volume increases were likely for soybeans, tobacco and some other crops, but that large increases in grain production in much of the world could push U.S. grain export levels slightly below those of last year

He said the U.S. export outcome, which could range from $26 billion to $32 billion, will depend to a large extent on what happens to Southern Hemisphere crops of wheat, coarse grains and soybeans between now and next Spring. Favorable harvests could produce increased competition for world markets beginning around the first of the year.

He cited world economic developments, trends in the value of the dollar, and domestic and trade policy decisions made in agriculture by U.S. and foreign governments as other factors that will bear on the level of U.S. agricultural exports.

Conference attended

BROWNSTOWN - Robert N. Zook, Agricultural Officer of The Brownstown National Bank and President of its subsidiary, Brownstown Agri Loan Corp., attended the National Agricultural Bankers Conference, "Tune In The Future" held in Nashville, Tennessee, on November 12 to 15.

The future in banking and agriculture as well as topics relative to agricultural financing were among the topics discussed.

The outlook for the general economy and agricultural commodities were also discussed.

Farm credit needs careful management

NEWARK, De. - Modern farming with its large capital requirements means that almost all farmers borrow some money to finance their farm business. Commercial credit is one of the more widely used ways of financing inputs in farming.

The interest rate you pay on this form of financing is influenced by many factors, points out University of Delaware Extension Farm Management Specialist Dr. Don Tilmon. Two of the more important of these are: (1) the amount of money you already owe, and (2) the current prime interest rate (the rate a bank charges its best corporate borrowers).

Recent changes in the prime bank loan rate have put this in the neighborhood of 10 per cent. Although interest rates on short-term farm loans tend to be more stable, they are still likely to reflect shifts in the prime rate. And such changes affect farm income. For example, a $1000 loan repaid in 36 equal monthly payments at an annual interest rate of 9.5 per cent costs $33.37 more than that same loan a year or two ago at 7.5 per cent interest.

The difference may not change your decision on whether or not to borrow, notes Tilmon, but careful consideration should be given to the effects of this added cost on cash flow and your overall income position.

As the debt load on your farm goes up, the ability to service that debt goes down. For this reason, it is wise to devote more time to financial management as you increase your borrowing. A good way to estimate your debt repayment ability relative to net farm income is to make a cash flow analysis of your farming operation.

Before taking out a loan, give careful consideration to alternative sources of credit. Farm credit lenders aren't all the same, so it pays to shop around until you find one that meets your needs. Although interest payments are a major factor, there are other points to consider as well, reminds the economist.

Does your lender understand agriculture? Does he understand the nature of cash flow associated with your farm enterprise? Does he recognize that farming has its "ups" and "downs" from year to year?

Recognizing this, will your lender agree to be flexible and make available some reserve so that a "down" period doesn't threaten the existence of your business?

Does your leader understand your goals? Is he convenient so that you can readily communicate when the need arises?

Though it may be advantageous to use more than one lender (one for short-term and one for long-term credit), don't use too many. A lender must account for his risk, too, and may feel less obligated to work with you if you have too many other lenders.

With harvest nearly over, this is an excellent time to analyze your credit situation. If you are using large amounts of borrowed operating capital you may benefit by putting an increased emphasis on financial record keeping, cash flow analysis, and other techniques for managing your farm finances This is the only way you can be sure the money you borrow is returning you more than it's costing.

Goat breeders to meet Dec. 7

NEWARK, Del. – The initial meeting of the Delaware Dairy Goat Breeders' Association will take place on Thursday, December 7, at 7 p.m. at the Delaware Department of Agriculture.

The meeting is open to the public. Those present will have the opportunity to propose by-laws, nominate and elect officers, and set future meeting dates, sites, and programs for the new organization.

The Delaware Dairy Goat Breeders' Association will receive educational support from the Delaware Cooperative Extension Service.

PUBLIC SALE
OF VALUABLE REAL ESTATE
SATURDAY, DECEMBER 9
2 P.M.
Located along Rt. 625 on the southern edge of the village of Bowmansville across road from Pine Grove Mennonite Church in Brecknock Twp., Lancaster Co., Pa.
2½ STORY FRAME DWELLING
7 rooms including 4 bedrooms, also 1½ baths, built in kitchen including built in oven and cook top. Situated on ½ acre lot along with small barn with stable room for several horses. Also shop overhead and 1 car garage. Lot includes nice size garden, also good supply of well water.
Inspection of property by appointment only by calling 215-445-4457.
Terms by
JOSEPH H. HORNING & MABEL Z. HORNING
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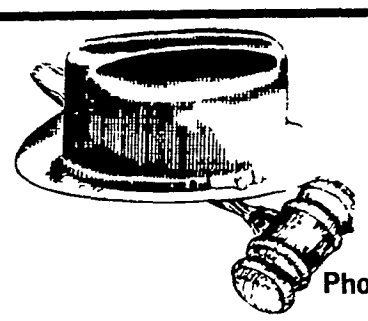
HOG PRODUCERS!
Get Top Price for Your Hogs at New Holland

Sold in sorted lots the auction way. See them weighed and sold and pick up your check.
SALE EVERY MONDAY - 8:00 A.M.
NEW HOLLAND SALES STABLES, INC.
Phone 717-354-4341
Daily Market Report - Phone 717-354-7288
Abe Diffenbach, Manager

NOTICE
NEXT MACHINERY SALE
WEDNESDAY, JANUARY 3,
POSITIVELY NO MACHINERY SALE IN DECEMBER
HAY, STRAW & CORN SALE
Every Wednesday in December
At 12:00 Noon
DAVID H. GOOD
Good's Auction

SPECIAL HEIFER
SALE
FRIDAY, DECEMBER 8
11:30 A.M.
Sale to be held at Jack Wood's Farm, located on Taylor Valley Rd., NY, off Rt. 26, Watch for Auction Arrows.
108 - HI-GRADE & REGISTERED CATTLE - 108
Group of 1st & 2nd calf Holstein heifers, all from one farmer in Chenago Co. with about ½ fresh by sale time and balance bagging close.
A top selection of 1st & 2nd calf Holstein heifers from the State of Maine, including some fresh heifers and other bagging close that may be fresh by sale time.
Another selection of 1st & 2nd calf heifers including such registered animals as: Royalane Reflection Shamrock daughter, Robbie daughter, Willow-Farms Rockman Ivanhoe daughter due Jan. 2, 1979 to Ames, plus other top registered cattle.
Another group of 24 artificially sired Chenage Co. heifers, all from A-1 sires, ranging in age from 1 mo. to yearlings.
Managers Note: This is a top selection of good Hi-grade & registered cattle that will all be blood tested, eligible for immediate interstate shipment as well as having shipping fever shots and pregnancy examinations where necessary. Inspection welcome anytime. Come & look these cattle over, you'll like what you see.
Terms: Cahs or good checks.
Lunch Available
JACK WOOD'S LIVESTOCK & AUCTION SERVICE
Sales Managers
Cincinnatus, NY 13040
607-863-4141


HAT & GAVEL AUCTION CO.
Phone (717) 626- 0254
Rte. 501 One Mile North of Lititz, Pennsylvania.
PUBLIC AUCTION
to be held at our Auction Gallery
THURSDAY EVENING, DECEMBER 7, 1978
5:30 P.M.
FURNITURE, COLLECTIBLES
Decorated gold and green leaf wheat pattern, ironstone; jugs; iron train; H.O. gauge train; recliner; Waterfall bedroom suit; large oak bookcase; 4-burner electric stove; modern bedroom suit; plus lots more!
For More Information Write or Phone:
Wilbur Hosler, Auctioneer (717) 626-0254
Harold K. Galebach, Partner
RD 2, Newport Rd., Lititz, Pa. 17543.
Receiving Hours: Monday, Noon to 9 P.M. Wednesday, 9 A.M. to 5 P.M.; Tuesday, Pickup Day.
Positively No More Garage Sale Leftovers Will Be Received.

MINI ACRES
1ST PUREBRED YORKSHIRE PRODUCTION SALE
SATURDAY, DECEMBER 16
At 1:00 P.M.
AT LEBANON FAIR GROUNDS
CORNWALL & EVERGREEN RDS., 1½ miles South of LEBANON, PA.
SELLING
60 — HEAD — 60
BRED GILTS — OPEN GILTS — SERVICE BOARS
Good bloodlines being offered.
Attending this sale will be worth your while.
FREE LUNCH
AUCTIONEER:
Our dear friend RALPH W. ZETTLEMOYER
AYC FIELD MAN:
Our INDIANA GOOD GUY - DAVE WALTERS
RINGMEN:
HENRY GRUBER (Y'all know Henry)
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Mail For Catalog To:
EDWARD H. OSWALD
R.D. #2, Box 396
Slatington, Pa. 18080
Tele. - (215) 767-4789
Sale Barn - (717) 274-9953

Lehman shows winning cow

Deborah Lehman, York R1, exhibited the first place senior yearling in milk at the National Junior Guernsey Show held in conjunction with the North American International Livestock Exposition held last week in Louisville, Ky. Debbie's cow, Carsals TD Daisy, also went on to win the same class in the National Guernsey open show. Debbie is 11 years old and has been a 4-H member for three years. She is a member of the White Rose Dairy Club. She also owns several other cows in the family herd.

Grange takes strong political stand

DENVER, Colo. -- Delegates attending the 112th Annual Session of the National Grange November 13-20, in Denver, Colo. called for an "all-out effort to curb the powers of regulatory agencies." They urged continued Congressional monitoring to eliminate the economic drain by agencies which serve no useful purpose and at the same time opposed the creation of a Consumer Protection Agency.

They voiced support for the same public funding of Congressional candidates as is presently done for Presidential candidates and for the electoral reform plan known as the district plan, thus eliminatine the electoral college. They opposed any plan for instant voter registration.

The Grange delegates, representing 500,000 members in 41 states, expressed strong views regarding the taxes paid to support the cost of the nation's welfare program. They recommended tighter controls on welfare spending, work incentive programs, thorough investigation of welfare applicants and periodic reevaluation of welfare recipients by review boards.

The Grange also advocates a complete revision of the Social Security system and the implementation of a new program providing only supplemental retirement benefits to persons on the basis of past contributions, as was the original intent. They also voted for a change in the present regulations to allow widows under 60 to receive benefits for a minimum of one year as an advance on their later Social Security earnings.

In the matter of Indian affairs, the Grange recommends that differences between Indians and non-Indians be resolved through the courts. In cases that cannot be resolved by court action, they suggest the President and the Congress develop legislation to resolve the remaining conflicting claims to land and resources.

The Grange opposes the President's recommendation on amnesty for foreigners and said those wishing to become U.S. citizens should comply with the immigration laws and regulations. The Grange is also opposed to the deadline extension for ratification of the Equal Rights Amendment.

Dole addresses Nat. Grange delegates

DENVER, Colo – In an address to the National Grange at its 112th Annual Session, meeting in Denver, Colo., last week, Senator Robert Dole of Kansas called for a "more aggressive agricultural export policy."

"I am still convinced that the future of American agriculture depends on our export policy," said Dole, "and we should be exporting $30 billion of agricultural products per year by 1980."

Dole assured the Grange of his continued support of the American farmer, saying that he shared many common beliefs with the Grange including the need for increased income and fair returns on investment

Other agricultural issues addressed by the Senator included the meat import quota act, the set-aside program, outlook on dairy, and inflation. Senator Dole assured the Grange he would re-draft the meat import quota act to meet President Carter's objections. "It is essential that cattlement be afforded the protection and assurance for the future provided in this bill, " said Dole.

Dole criticized President Carter for "not taking adequate action on the grain set-aside program." He claimed the President's announcement to maintain the same set-aside program as last year "is further proof that this Administration is less than concerned about the future of farmers."

Speaking on the dairy outlook, Dole commented that, as a result of lower milk output and strong demand, combined with low commercial stocks, wholesale dairy product prices will probably remain above the new support purchase prices until the end of the year and beyond. He did caution that USDA stocks of butter and non-fat dry milk must be disposed of carefully to avoid hurting producers.

Citing the "shocking" drop in realized net farm income over the past three years, Senator Dole stated that the farmers have not been the cause of inflation but instead have been the victims. "They cannot stand the impact that double-digit inflation has on the farm goods and equipment they buy," he said.

In closing, Senator Dole promised a better political climate in the coming Congressional session for agriculture. He also said "every four years America examines itself and its leaders in the heat of political controversy. If you can't get our ears in Washington, you can get our seats and that's one thing we understand."

SPECIAL SALE

FEEDER CATTLE & CALVES

FRIDAY, DECEMBER 8

2:30 P.M.

BLUE RIDGE LIVESTOCK SALES, INC.

CHARLES TOWN, WV 25414

PUBLIC SALE

110 ACRE FARM

SATURDAY, DEC. 9

At 11 A.M.

To be offered as one or 6 separate tracts, 1 mile opposite Sun-Set Diner on 422, 5 mile East of Reading on Pineland Road, entrance on Schoffer's Road.

Show house by appointment Sat Dec. 2nd. from 1 to 3 P.M.

Stone house dated 1700, secluded, ¼ mile from road, private lane, slate roof, original hardware, 2 fireplaces, 2 baths, 2 kitchens, 6 bedrooms, hot water heat, outbuildings, stone barn, desirable for horses or cattle

Tract No. - 1 12 acres
Tract No. - 2 52 acres, house and barn
Tract No. - 3 12 acres
Tract No. - 4 13 acres
Tract No. - 5 11 acres
Tract No. - 6 11 acres

With sewage near-by

Terms By

JOHN DeLONG

Auctioneer - C L Butter Zimmerman
R.D. #6 Box 290 Sinking Spring
Phone (215) 777-9820
Attorney - Kenneth Pocrass

PUBLIC SALE

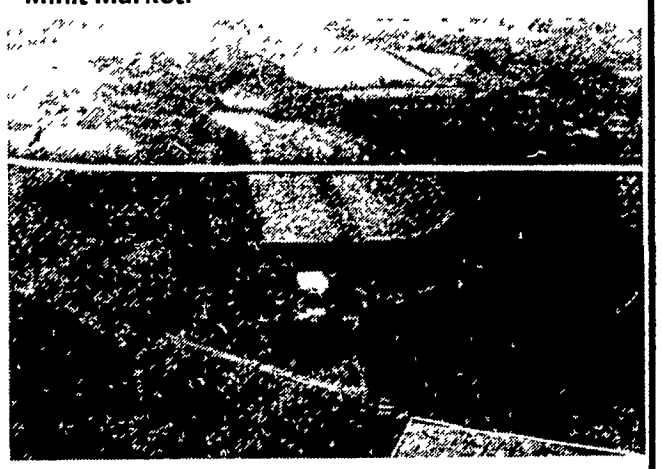
REAL ESTATE

SATURDAY, DECEMBER 9

2:00 P.M.

FARM: Approximately 120 acres. About 66 acres are tillable and the remainder is woodland and meadow.

LOCATION: On Old Strasburg Pike between Gap and Parkesburg, in Sadsbury Township, Lancaster Co. 1.7 miles East of Gap Turkey Hill Minit Market.



A 66' x 22' 2½ story stone dwelling with an aluminum siding addition, has brick porches and patio; hot water oil heat; cement basement; public water; septic tank and drain field; 2-car garage.

The first floor of the house has a modern kitchen with cherry raised panel cabinets and a dining area, a living room with fireplace, a powder room and a 14' x 17' walnut panelled office with oak pegged floor. The second floor has 3 bedrooms, lots of closets, and two bathrooms - one with a tile whirlpool bath tub.

Other buildings include a 44' x 72' frame bank barn, a milk house, a spring house, and a 2-story frame tenant house.

OPEN HOUSE - Saturday, December 2, 1:00 to 4:00 P.M.

Terms by

MRS. JEFF COATS

Chet Long, Auctioneer
717-733-9601
David E. Greer, Atty.

PUBLIC SALE

SATURDAY, DECEMBER 16

9:30 A.M.

Located on Route 209, between Elizabethville and Loyalton, Pennsylvania (across from the R & K Diner)

FARM MACHINERY

300 Farmall tractor· Friend air blast sprayer with 400 gallon tank; Super A Farmall tractor with 2 way plows, cultivator, corn planter, side dressers, 1 row transplanter; Montgomery Ward 12 h.p. tractor; No. 6 Massey Harris 7' mower; 3 bottom plow; 4 and 2 section spring tooth harrows; yellow Devil weed sprayer; potato plow; assortment of 2 wheel trailers for small tractors; Montgomery Ward 5 h.p. riding rotary lawn mower; 2 Aladdin greenhouse heaters; app. 25 bags of 10-10-10 fertilizer; app. 7 bags of ammonium nitrate fertilizer; assortment of bee equipment; app. 4 bundles of wooden shingles; assortment of hand and garden tools; etc.

10' ALUMINUM BOAT WITH OARS

ANTIQUES

3 PC. VICTORIAN WALNUT MARBLE-TOP BEDROOM SUITE WITH HIGH BED, VERY ORNATE; LARGE WALNUT VICTORIAN WARDROBE, VERY ORNATE; marble-top stand; marble-top bureau: Victorian hanging wall mirror; walnut cane seated rocker; oak bed; 4 walnut cane seated chairs (1 damaged); 3 oak stands, 1 with metal dolphin feet; oak extension table; 3 oak high back chairs; walnut gingerbread clock; gold leaf mirror; mantel clock; 2 school desks; oak sideboard; assortment of picture frames; 2 kerosene lamps; etc.

HOUSEHOLD ITEMS

RCA floor model color TV; Early American-style sofa; record cabinet; 4 maple captain's chairs; single box spring; wooden bed; metal double-door cabinet; dishes; pots; pans; etc.

NOTE: Sale will start with farm machinery and farm related items.

TERMS: Cash or Travelers Checks.
Personal checks accepted only from persons having an established account with Auctioneer.

Owner

HARMON V. TUNISON

Lee D. Dockey
Auctioneer-Estate Liquidator-Appraiser
Box 164, Pillow, PA 17080
Phone: 717-758-6004

Beachley receives Grassland Council award

UNIVERSITY PARK - Kenneth G. Beachley, Shiremanstown, president of Beachley-Hardy Seed Company, has been named winner of the 1978 Pennsylvania Grassland Council's Special Award.

A trophy, for outstanding service to the state's forage industry, was presented to Beachley November 20 at the Forage and Seed Conference held at Penn State.

In citing his accomplishments, Dr. John E. Baylor, Penn State Extension agronomist, says Beachley has a long and distinguished career in agriculture.

During the past 25 years, he has served several terms on the board of the Pennsylvania Grassland Council and as president. He also served as president of the Pennsylvania Seedsmen's Association and Atlantic Seedsmen's Seed Trade Association's Farm Seed Division.

Beachley served on the board of the Penn State College of Agriculture Advisory Council and PennAg Industries Association. Currently he is vice president of the Pennsylvania Foundation Seed Cooperative.

A 1933 Penn State graduate in agronomy, he first was engaged in seed certification work for the Pennsylvania Department of Agriculture, then for the U.S. Department of Agriculture.

Following three years as an officer in the U.S. Navy, he worked four years in Germany, primarily in seed procurement for the occupied area of Western Germany.

In 1950, with William B. Hardy, they formed the Beachley-Hardy Seed Company, and he has served as president the past 28 years.

Active in community affairs, the award winner is a member of the West Shore Rotary Club and Robert Burns Lodge. Beachley also is an elder of the Paxton Presbyterian Church of Harrisburg.

Kenneth G. Beachley, second from left, Shiremanstown, receives Pennsylvania Grassland Council's Special Award from John C. Itle, of Loretto, president of the council. With the two are Mrs. Beachley.

Club 200 winners named at Chemgro banquet

SMOKETOWN — Such items as the acidity of soil, pesticides, soil tests, and fertilizer programs as they relate to crop yields were all covered at the recent gathering for farmers sponsored by the Chemgro Fertilizer Company at the Good 'n Plenty Restaurant, here.

Jim Bowersox, representing the Chemgro Company, and Jack Vitamin, from Ciba-Geigy, each showed slides in their presentations explaining their various products and services. They told of different materials and methods used in getting the maximum yield from crops in today's farming programs, touching on the latest services and new products offered.

The 250 farmers present heard about the advantages of adding fertilizer in the Fall months They were told that it can provide an early start on the Spring farming, and result in less soil compaction. Furthermore, it was stressed that Fall is usually an economical time to purchase fertilizer.

The highlight of the evening's program occurred when Tom Geeseman, an employee of Chemgro, bounded to the front of the room, portraying a "Welsh Mountain goat dairy and guinea farmer". Barefooted and overalled, with a cigar in his mouth, he played the part of a farmer first approached about using fertilizer and crop improvement programs. Jim Bowersox, acting the part of the salesman told him of all the advantages while the "dirt farmer" gave his own opinion of modern farming methods

During the meeting, the winners of the 1978 Club 200 Contest, sponsored by Chemgro, were introduced.

In 1978, the Club 200 member with the highest yield winner was Earl Huber, Conestoga. His yield of 214.6 bushels of corn per acre won him and his wife a trip to Bermuda.

The top ten placings in the contest each are to be treated to dinners for two by Chemgro.

Winners included: John Z. Nolt, Lititz, 204.7 bushels; Glenn Brubaker, Lancaster, 195 bushels; Elmer Sensenig, Lancaster, 195 bushels; Joseph Garman, Lititz, 194.7 bushels; Kenneth Witmer, Lititz, 193.8 bushels; Mervin Sauder, Lititz, 191.4 bushels; Jesse Balmer, Lititz, 191.1 bushels; Christ Habecker and Ron Carper, Lancaster, 190.4 bushels; and Titus Hoover, Lititz, 189.8 bushels.

Chemgro announced that the 1979 Club 200 winner with the highest yield will win a vacation for two in the Bahamas and the top ten yield holders will again be awarded dinners for two. Farmers can find out more information about the club by contacting Chemgro. The club will close entries on January 31, 1979.

Sheep numbers down

WASHINGTON, D.C. - The number of sheep and lambs on feed in seven selected States on November 1, 1978 totaled 1.19 million head, down 1 per cent from the 1.20 million head on feed a year ago. There were 1.06 million head placed on feed during September and October this year, which compares with 1.03 million placed during the same period last year.

Of the total number on feed November 1, 1978, 14 per cent weighed less than 70 pounds, 19 per cent weighed 70-79 pounds, 28 per cent weighed 80-89 pounds, 25 per cent weighed 90-99 pounds, and 14 per cent were 100 pounds and over in weight.

PUBLIC SALE

BLUE MOUNTAIN WOODLAND

Located in Bethel Twp., Berks Co., Penna.

SATURDAY, DECEMBER 9

At 2 P.M.

At residence of owner Mary J. Strauss, Bethel, Berks Co., Penna.

4 Adjoining tracts totaling 71+ acres will be offered seperately and as a whole.

Tract A consists of 30.531 Acres
Tract B consists of 15.730 Acres
Tract C consists of 12.338 Acres
Tract D consists of 12.465 Acres

Inspection and/or Surveyors Maps can be arranged/or obtained by contacting

JOHN O. STRAUSS
After 5 P.M. At
(717) 273-4454
(717) 933-4365

Sale will start promptly at 2 P.M.
Terms 10% down
with settlement on or before Mar. 1, 1979.

Auctioneer - Dave Risser
Attorney - Henry Steiner

AUTOTORE'S AUCTION

SATURDAY DECEMBER 16

Starting At 10 A.M.

Location - R.D. 2 Catawissa off Route 42 South of Bloomsburg. Turn at three points (follow auction arrows).

SELLING TOOLS, EQUIPMENT, HOUSEHOLD, 1927 PONTIAC

FOR PAUL (BUTCH BELL) SMOCYZNSKI

Belt driven lathe/3' swing, bench lathe w/2' swing, McCormick Deering engine, Craftsman engine, 1¼" socket set, pipe cutters, Craftsman miter box, metal tool caddy, 3 new Firestone tractor tires, 2-920 H.D. truck tires, 2-500 truck tires, floor model drill press, bearing press, Jacuzzi pumps, portable torch, plug cleaner, LG. & SML. vises, chain saw parts, hand grinders, misc. lawn mower parts, Reamers, all type hand tools, 75-100 plastic tubing, (½", 1", 1½'), Oliver 70 tractor, 4 section harrow, 11 hole Farquhar drill, 2 field sparyers w/gasolene engines, 2 manure spreaders, Oliver corn planter, 4 wheel farm wagon, sickle bar mower, horse drawn Osborn mower, fanning mill, combine, N.H. grinder, corn sheller, platform scales, etc. etc. App. 1000 bushel oats & wheat, 2x6's, Chev. 3600 ¾ ton pickup, potato grader, 1927 Pontiac 4 door sedan, Columbia coal & wood stove, parlor stoves, jelly cupboard, 5 leg oak table, oak tables, oak side by side, oak sideboard, library table, Kohler & Campbell upright piano, wicker buggy, iron & brass combination beds, 6 leg oak ext. table, butchering kettle, set of 6 chairs, odd chairs, latterns, scales, bottles, books, dishes, 2 pc. high back oak bedroom suite, 7' wardrobe, sml. wash stand, dresses, top school master's desk, apple peeler, crocks, jugs, lard press, hanging lamp bracket, butter churn, plus ???????

Terms - Cash

Seller:
FIRST EASTERN BANK
Guardian
For Paul (Butch) Smoczynski

Auctioneer:
John Autotore 784-3506

PUBLIC AUCTION

OF REAL ESTATE

SATURDAY, DECEMBER 9, 1978

AT 2:00 P.M.

Located in Rapho Township, Lancaster County, 5 miles west of Manheim on Hosler Road. Or take the Mt. Joy Road Exit off Route 283 to Strickler Road, and go 5 miles north to intersection of Strickler and Hosler Roads.

Real Estate consists of 2½ story frame and cement-block home situated on approximately 2 acres more or less with road frontage 200 x 280 feet. Home has 5 bedrooms, 2 full baths, living room, dining room, modern kitchen, oil hot water heat, slate roof, full basement, good well, new pump. Property in excellent condition.

Open House - Saturday, December 2, 1978, between 1 - 4 P.M.

For information contact the auctioneers at 392-1547 or 687-6857. Terms: 10% down - balance in 30-60 days.

Sale by:
MARLIN J. FAHNESTOCK
SANDRA F. FAHNESTOCK
R.D. #2, Manheim, Pa.

Attorney: David Young
Auctioneers:

Alvin L. Miller	Elvin E. Siegrist
1958 Horseshoe Road	R.D. #1
Lancaster, Pa. 392-1547	Ronks, Pa. 687-6857

PUBLIC SALE

OF NEW TOOLS

At the Green Dragon Market 3 miles North of Ephrata, PA.

SATURDAY, DECEMBER 9

12:00 Noon

Truckload of new tools, for farms, garden, lawn, shop, carpenter and masonary.

Shovels, forks, rakes, hoes, brooms, digging irons, handles, axes, nails, sledges, wedges, hammers, large selections of wrenches, vice grips, saws, maules, rules, levels, brace & bits, drill & drill bits, files, tapes, wrecking bars, C clamps, torque wrenches, flashlights & batterys, screw drivers, tool boxes, bench vice, drill press, wheel barrows, hand carts, gloves, trowels, floats, and many more items.

Popular brand names: Ames, True Temper, Atlas, Plumb, Stanley, Diston, Jackson, Eskay, Diamond, Irvin and others.

All sold with 1 year warranty against factory defect.

Come and buy useful Christmas gifts.

Terms by
A.K. KING

Kreider & Diller, Aucts.

December is the tax management month

NEWARK, Del. -- December is the time for managing farm taxes. This is a good time for farmers to find out how they stand in terms of taxes for the year and to make necessary adjustments to balance out their income and expenses, says University of Delaware Extension farm management specialist, Dr. Don Tilmon.

Two items in the Revenue Act of 1978 may affect farmers' tax returns for this or earlier years, points out Tilmon. One concerns the one-time exclusion from capital gain; the other concerns investment credit for certain single-purpose agricultural or horticultural structures.

The specialist has been studying details of the Act (which appears in the October 14 Congressional Record), especially as it relates to these two items.

First of all, the much publicized "One-Time Exclusion from Capital Gain" has a catch in it for the farmer. It appears that this exclusion applies only to the sale of the "principal residence" – in this case, the farmhouse itself – and then only when this has been sold by an individual who has attained the age of 55. The amount of gain excluded from gross income "shall not exceed $100,000 ($50,000 in the case of a separate return by a married individual)." (Quotes are taken from the Congressional Record.)

Furthermore, the property must have been owned for at least five years and during that period must have been used by the taxpayer as his principal residence for periods totaling three or more years during the five-year period ending on the date of the sale or exchange. This exclusion applies only to sales or exchanges made after July 26, 1978.

Farmers in general have found themselves unable to sell their farms when they're getting on in years because the appreciation that has occurred over time in the value of farm property puts them at a tax disadvantage when they go to sell. Those who hoped to find a solution to this problem in the 1978 Revenue Act will be disappointed.

Since the one-time exclusion from capital gains applies only to the farm residence itself, this part of the Act is not likely to be of much benefit to them. They will still have to pay tax on the land itself as well as other buildings on the farm, because these are considered business property by the IRS.

This means that farmers who do qualify under the Act will need to determine the actual value of their former residence as opposed to the rest of the property, in determining what part of the income from the sale of their farm is taxable and which part is not.

Another part of the Revenue Act which should be of considerable interest to farmers is Section 314, on "Investment Credit for Certain Single Purpose Agricultural or Horticultural Structures." In the past the IRS has not recognized poultry as livestock, and as a result many Delaware farmers have been unable to obtain tax credit for investments in broiler houses, although they could get allowances for equipment in the houses.

The Revenue Service has reinterpreted this part of the Act, which means that poultry houses now come under Section 314, as single purpose agricultural structures.

This part of the Act is retroactive to August 15, 1971. However, the IRS has informed U.S. Department of Agriculture officials that "for 1971, 1972, 1973 and 1974 the investment credit will not be retroactively allowed unless (1) a case is still pending with IRS or in one of the tax courts, or (2) taxes have been paid within the last two years. This could occur if an old case had been settled and paid within the last two years."

To be eligible for the investment credit, the structure must be used exclusively for the purpose for which it was designed and constructed. For example, explains Tilmon, a hog structure will not be eligible property if it is used to house and feed poultry or cattle, or if more than incidental use of the structure is made to store feed or machinery.

There are also several other conditions governing eligibility. (1) Any property which qualifies must be depreciable. (2) It must have a useful life of at least 3 years (3-5 years at one-third credit; 5-7 years at two-thirds credit; 7 years or more at full credit). (3) It must be tangible personal property or other tangible property (except buildings or their structural components) used as an integral part of manufacturing, production or extraction, etc. And (4) it must be placed in service by you during the year.

The amount of investment credit one can claim is the sum of the investment credit carry-over plus 10 per cent of the current year's investment eligible for credit, plus any investment credit carry-back to the year.

The credit one can claim on the above is limited to the income tax liability shown on the return, or $25,000 plus 50 per cent of the tax liability in excess of $25,000 – whichever is less. (Married persons filing separate returns are limited to a credit of $12,500 plus 50 per cent of the individual tax liability in excess of $12,500.)

If a person disposes of an asset (such as a tractor or

(Turn to Page 137)

TAX SALE!

BUY NOW...AND REDUCE YOUR 1978 INCOME TAX

by taking advantage of Investment Tax Credit and Depreciation Allowance.

At the 10% rate, the investment tax credit on a $20,000 tractor would be $2,000, a net reduction from your tax, not merely a reduction of taxable income. Using the additional 20% first-year depreciation allowance option, you can save even more.

REMEMBER ... BUYING NOW IS SPENDING TO SAVE!

Ford Tractors Equipment

ALLEN H. MATZ, INC.

505 E Main St , New Holland
Ph 717-354-2214

SERVING THE COMMUNITY THIRTY YEARS
LANC CO'S OLDEST FORD DEALER

SENNETT SALES

Sennett, N.Y. 4 miles East of Auburn, N.Y. on Rt. 5 use 81 to N.Y.S. thruway to West to Exit 40 at Weedsport, N.Y. then go South 5 miles to Sennett.

THURSDAY, DECEMBER 7
At 1:30 P.M.
DAIRY DISPERSAL

1. From Jack Lees, Port Byron N.Y. His complete dairy of 61 top Holsteins, 50 real top Hol. cows with 17 recently fresh, 12 due by mid Dec., 10 due in Jan. & Feb., 11 milking good and bred back to freshen next Aug. & Sept., 11 nice Hol. heifers with 5 ready to breed, the bal. a little younger. This is a top dairy that is all home raised but 5. Real good udders & legs. Mostly all young cows. Necessary cattle will be exam. by Dr. Sears. Cattle will be tested for out of state buyers and will have had their shipping fever shots. Art. breeding used here many years. Reason for sale farm is sold.

2. Plus our usual run of good Dairy cows, Heifers, Service bulls.

SENNETT SALES
Hicks & Spingler Livestock, Inc.
Barn 315-253-3579
Ken 315-834-9266 Bob 315-252-1037

PUBLIC SALE

OF FARM EQUIPMENT

Located at our place of business approximately 8 miles south of Hagerstown, Maryland on Route 40-A, at Farmers Livestock Exchange, Boonsboro, Maryland.

SATURDAY, DECEMBER 9
9:30 A.M.

Approximately 25 tractors including Fords, John Deere, International, Oliver, Massey Ferguson and others.

Farm machinery including hay balers, hay cond., field choppers, pull type and 3 pt. hay rakes, manure spreaders, P.T.O. feed grinder, 1-2-3-4 bottom plows, 3 pt. harrows, pull disc and 3 pt. disc, tractor wood saws, 1 & 2 row cultivators, 2 & 4 row corn planters, hay elevators, cultipackers, utility trailers, horse trailer, rotary and sickle bar mowers, 3 pt. rear blades, post hole diggers, self unloading wagons, grain bins, corn pickers, new top links and draw bars, other farm related items including some trucks. Lumber & tools.

Terms: Cash - Not Responsible for accidents.

RAYMOND'S FARM MACHINERY
Raymond D. Monninger
Phone: 432-2638

Auctioneers:
James G. Cochran
Robert C. Mullendore
S. Braden King
Clerk F E. Brinkley

Attention Farmers: Turn your surplus equipment into cash. Consignments welcome. Hauling Available.

Lunch Available At Sale

MEL KOLB INC.

DAYTIME AUCTION

FRIDAY, DECEMBER 8
12:00 Noon
Free Lunch at 11:00 A.M.
At the Farm Formerly Known as
BLACK & WHITE FARM
Lancaster, Pa.

Location: At the former Black & White Farm West of Lancaster on Dairy Lane. Take Rt. 283 West of Lancaster, exit just beyond ABC Stud Barns at Florys Mill Rd., turn left after exiting, go to mill, then sharp right under railroad bridge. BArn within sight of Rt. 283.

135 Head of top Grade and Registered Holsteins 135

We have driven many miles to put this group of cattle together for our customers at our first Sale at Lancaster. We have been fortunate and had rare opportunity to select from many top herds, many are fresh milking up to 100 lbs. per day and lots capable of milking that much. Come and see for yourself.

SPECIAL MENTION: The complete Herd of 48 head (½ Purebreds and ½ Grades) of Craig Gammon, Canton, Maine. The DHI herd average is 18,571m, 658f. This is really a top herd of cows mostly all young with good udders. Several just fresh and some close springers and some coming fresh throughout the year. Here is a sample of their individual records in this fine herd:

BLACKY a grade 319d 20,835m 717f, ELLA a grade 336d 17,061m 659f; GEORGE Purebred 288d 18,995m 629f; MARIE Purebred 358d 20,416m 683f; JINGLE 334d 18,729m 672f; KENT a grade 306d 20,708m 790f.

This herd last year had profit after feed cost of $1274.00 per cow. This herd is all sired and bred back to Eastern A.I. Cooperative, Inc. bulls. CSS approved, they were never fed strong and were 2nd last year in Oxford Co., Maine D.H.I.

Also the following from some top herds.

A Excellent COCHRAN IVANHOE FURY daughter born 7-6-71 (Ex Mammary) bred 3-14-78 to LAWCREST MARVEX +1217 as a 6 yr. old 365d 16,473 4.7 770f, Dam VG as a 2 yr. next Dam GP-83 with 17,270 560f. A five yr. old HILLTOP APOLLO IVANHOE daughter GP-82, Bred 2-14-78 to VINCENT-VIEW MOLLY CHIEF as 4.6 mos. 321d 19,030m 3.9 741f. A 3 yr. old COTTER-DALE ASTRONAUT KING daughter GP-82 as a 2 yr. old fresh 11-17-78 as a 2 yr. old 359d 17,561 577f, from IDEAL FURY REFLECTION daughter GP-82 as 3.4 mo. 328d 16,700m 580f, next dam IRVINGTON PRIDE ADMIRAL daughter GP-84 as a 5.7 mo. 209d 20,540 3.8 782f. A fancy ROUND OAK RAG APPLE ELEVATION born 6-9-76 just fresh from a very good KINGPIN dam with 396d 25,538m 882f; A ROUND OAK RAG APPLE ELEVATION born 5-28-76 just fresh from a TRANSMITTER dam that had 22,791m 1004f; A nice VIGO CHARMCROSS born 6-8-76 just fresh from a TRANSMITTER dam with 18,877m 590f; A fancy F-G-P ELEVATE IVAN AL daughter from a CITATION dam with 23,394m 872f; A PACLAMAR ASTRONAUT daughter VG, bred to WILLOW FARM ROCKMAN IVANHOE Also many good Purebreds not listed. A trailer load of fancy Wisconsin cows, a load of New York State cows, a load of Northern Pennsylvania cows.

Farmers if you need some top cows, come early (at 11:00) get free lunch, all you can eat and buy some good cows.

Terms: Cash on day of Sale
Not Responsible for Accidents

MEL KOLB INC.
Dennis Kolb,
Sale Manager

Robert Mullendore, Auctioneer
Paul Snyder, Auctioneer
Marvin A. Eshleman, Pedigrees

Farm Address:
2220 Dairy Road, Lancaster, Pa. 17601
Phone: 569-6800 or 569-2106

PRIVATE SALES AT THIS LOCATION DAILY

Wood pulp fines fed to livestock

UNIVERSITY PARK – Wood pulp fines, byproducts of making tissue paper, can partially replace the dietary energy in forage and grains normally fed to beef cattle and sheep, according to animal scientists at Penn State.

Using these wood fines in steer rations, Penn State researchers saved as much as 2.1 pounds of grain for each pound of carcass weight gain. Dr. Lowell L. Wilson, professor of animal science, termed the wood pulp fines "a suitable and inexpensive method of reducing the energy and feed costs of raising livestock."

Wood pulp fines are readily available in Northeastern Pennsylvania and other areas of the nation where tissue paper is produced, it was reported. One major paper products company in Mehoopany, Pa., for example, generates and disposes of about 200 tons of wood pulp fines daily.

Fines have a high moisture content averaging 75 to 77 per cent moisture, it was explained. They have a granular appearance similar to soybean meal. Fines store well uncovered outdoors, provided they are not mixed with other feed ingredients or nitrogen. Fines, and rations containing over 40 per cent fines, will freeze during Winter unless protected or stored inside.

Consisting primarily of cellulose, fines are well digested by cudchewing animals. Despite a high fiber value, they have little or no value as a roughage. Thus, some standard roughage, 10 to 12 per cent, should be included in rations containing fines, especially where lambs are fed.

The wood pulp fines have been studied thoroughly at Penn State in feeding steers and lambs for market. Heading up the experiments was Paul G. Lemieux, graduate assistant in animal industries. The results are published in the special Fall energy issue of "Science in Agriculture," the quarterly magazine of the Agricultural Experiment Station at Penn State.

Steers can be feed up to 40 per cent of the dry matter as fines with satisfactory gains and no adverse effects on carcass traits, Lemieux said. Lambs can be fed up to 66 per cent of the ration dry matter as fines with no detrimental effects on weight gains or carcass traits.

"Steer rations containing over 40 per cent fines appear to be useful for growing rather than for finishing rations," Lemieux pointed out.

Fines are low in crude protein, 1.2 per cent on a dry matter basis, and are low in minerals with the exception of sulfur and sodium. Rations containing fines usually require additional protein in the form of either true protein or non-protein nitrogen. Macrominerals–calcium, phosphorus, potassium, and magnesium–and several trace minerals may need to be supplemented with feeding fines. Where green forage is not fed, vitamins A and D may also need to be added.

Details of the various feeding trails are found in the "Science in Agriculture" article. Copies of the Fall energy issue are available from the Mailing Room, 112 Agricultural Administration Building, University Park, Pa. 16802.

Wood stove seminar set

NEWARK, Del. – Because more people in Delaware are using wood as fuel, a wood stove safety seminar is scheduled for Wednesday, December 6, at 7 p.m. in the Christiana Fire Hall, located at the intersection of routes 7 and 273 in Christiana, Del.

The seminar is designed for interested consumers as well as dealers, building inspectors, salespeople, contractors, safety specialists, and insurance company representatives. There will be exhibits and educational materials available.

The program will cover different types of wood stoves and their uses, along with installation, operation, maintenance, and chimney construction. The economics of heating with wood will also be discussed.

The event is sponsored by the Delaware Cooperative Extension Service. There is no admission charge, but those planning to attend should pre-register by calling (302) 738-2468.

xxx

Are we approaching a traffic jam in outer space? According to a report in the December Reader's Digest there are approximately 4500 pieces of human engineering sailing around up there - 900 of them satellites, the rest spatial debris.

December tax management

(Continued from Page 136)

combine) before the end of the estimated useful life he used in computing the credit, he must recompute the credit, using its actual useful life. He must then increase the tax liability for the disposition year by the difference between the credit taken in all affected years, and the recomputed credit.

Used property may also qualify for investment credit under certain conditions, says the specialist. For details on how to calculate this, one can consult the "Farmer's Tax Guide – 1979 Edition." Copies of this are available at county extension offices in Newark, Dover or Georgetown, or by writing: Mailroom, Agricultural Hall, University of Delaware, Newark, DE 19711.

MILLER'S SECOND ANNUAL CLUB CALF SALE

MONDAY, DECEMBER 11, 1978
At 7:30 P.M.

All Calves Will Be Preconditioned
And Many Are Halterbroken

FITE'S SALES BARN

Directions - ¼ mile West of Quarryville on Oak Bottom Road, off of Rt. 372 at Shady Lane Dairy Sales. All calves will be on display at barn starting Saturday, December 9, 1978.

PUBLIC SALE

34 ACRE FARM, FARM EQUIPMENT, ETC.
SATURDAY, DECEMBER 16

10:30 A.M.

On the premises in Little Kutztown, Jackson Township (near Fire House), Lebanon County, Route 645, North of Myerstown.

Frame house has modern kitchen, dining area has brick walls, 2 other rooms and out kitchen on first floor. 2 bedrooms with closets and bath room on second floor. All rooms but one have wall to wall carpet. Oil fired baseboard heat (2 years old). Water is supplied by a never failing spring which also feeds a nice pond on premises

Bank barn appr. 36x54, 2 chicken houses, milk house, spring house, etc. Roofs are in good condition.

Open House - Saturdays, December 2 and 9, from 12 to 4 P.M.

Oliver #4 crawler loader, Hupmobile running gear with motor, tar buggy, Oliver 77 row crop with hydraulic system, loader, plow, 2 row corn planter, semi mounted rake, 7 foot mower, John Deere L.A. cultivator and plow, steel wheeled garden tractor, New Holland baler, Smoker elevator, cultipacker, 2 rubber tired wagons, Brady chopper, cylinder corn sheller, 2 - 1 hole shellers, Hahn Eclipse L.T.D. 500 riding mower, large rototiller, potato plows, 1 horse cultivator, wheelbarrow, railroad jack, 225 amp Lincoln welder, Agway rocket fence controller, pneumatic glass lined water tank (new), coke soda cabinet, old heatrola, Duotherm oil heater, porch rockers, double door utility cabinet, base cabinet, assorted electric motors, belt sander, 7 inch Craftsman saw, electric drill, asst. tires and rims, used brick and block, etc.

SALE TIME — 10:30. REAL ESTATE — 2 P.M.

Conditions by:
MARY JANE GETTLE
MELVIN GETTLE, SR.

Attorney -
Brightbill of Siegrist, Koller & Brightbill
Auct. - G. Harvey Weik
Clerks - Hoover & Ogurcak

— LUNCH AVAILABLE —

Robin Ream works with land-use problems

By SALLY BAIR
Staff Writer

LANCASTER – "This is the best thing that's happened to me. It has broadened my horizons so much." Robin Ream is talking about his CETA-financed position with the Penn State Extension Service in Lancaster and Lebanon counties. Ream was hired last February as an Extension assitant in land use and has spent the last nine months learning about the problems and trying to work with local planning commissions to help solve some of the problems facing the two counties.

Despite some disappointment in his inability to work more closely with local bodies, Ream is optimistic about the potential for preserving farmland. "Now is the time to preserve it," he states emphatically.

He added, "In the beginning I didn't know about zoning, and I didn't know what I should be doing. I spent a lot of time reading and getting familiar with zoning and taxation."

After studying the situation, he says, "I think I've made up my mind that agricultural land should be preserved through zoning. That is the best way to deal with the problem." It is not that he opposes such ideas as the purchase of development rights, but he feels that it is too expensive and complicated. Zoning is easily understood.

While almost every township has some kind of agricultural district designated, Ream said only seven or eight of the 41 townships in Lancaster County have "true, planned agricultural districts." Zoning can work, he feels, because people are more aware of the issue today. "We are to the point now that we should start watching land, and be more aware and not allow changes in zoning. If municipalities will adopt strong agricultural districts and stick with it, it can work."

Ream encourages people to get involved if they have strong feelings about the way they want their townships zoned. "People must show the planning commissions and the supervisors that they are interested. Zoning is controlled locally, and local people should get involved and have a say."

Limiting or stopping growth is not the answer to the problem. Ream stated, "It would be detrimental to Lancaster to limit growth, but growth and development must come in the right places, or we are in danger of losing our best farmland. If we could preserve the green belts that we now have, we'd be living in a better place." I think we can do it. I also think that one of the best things that has happened here is the renovation of downtown Lancaster." Ream said that there is a lot of land that could sensibly be filled in around the city to take care of the "natural expansion" before encroaching on outlying areas of good land.

He pointed out that development is not always the bargain some township officials and residents may feel it is. 'Study after study shows that development is more costly than it is worth. If is phenonemal what it costs to provide police, sewer lines, upkeep on streets and education."

Ream said his first reaction to the new proposal of the County Commissioners to use deed restrictions as a means to preserve farmland was that it was too expensive. But he feels it is good to have the committee working on the problem as a means of "pointing more attention to it. It will make people more aware of it." He said that in reading accounts of the appointments, he was struck by Amos Funk's statement that the idea is so simple it just might work. Upon reflection, he said he agrees with that sentiment.

Recently Ream helped a workshop designed to give municipal leaders a chance to hear success stories from townships which have successfully dealt with the preservation problem. He said, "We had four very interesting people tell their story, and I was surprised at the response and the number of municipalities represented." Now he hopes the response will be action by those who do not have an agricultural zoning law.

Ream predicted that the problem of neighbors complaining about agricultural odors and other nuisances will probably get worse, unless ag districts are created and adhered to. He said, "I don't know what to do about it except to zoning to prevent it."

While Ream, who lives in Kleinfeltersville, divides his time between the Lebanon and Lancaster County Extension offices, he said Lebanon County is not yet feeling the development pressure as it is being felt in Lancaster. However, he said, "It has the potential for problems."

Ream credited the Lancaster County Planning Commission and its professional staff with showing leadership.

A parks and recreation graduate from Penn State, Ream said he hopes the experience from this job will enable him to get a position with a local government planning body when his CETA-funding expires. He said, "It has given me a lot of good experience, and I hope I can stay on somewhere with a planning agency."

Robin Ream was hired last February as an Extension assistant in Lancaster and Lebanon Counties. His CETA-financed position deals with land use. He has spent the last nine months learning about land use problems and is working to solve some of the problems facing the Counties.

FARMERSVILLE AUCTION

TUESDAY, DECEMBER 5, 1978

6:00 P.M.

In Farmersville, 3 mi. East of Brownstown, Lanc. Co., PA.

GENERAL HOUSEHOLD GOODS SALE

We Sell on Commission.

Call: **JOHN J. RUTT**
717-354-5095

Consignments being accepted for our Annual New Years Day Antique Sale!

PUBLIC SALE

OF REAL ESTATE, ANTIQUES, HOUSEHOLD GOODS, GUNS & COINS

SATURDAY, DECEMBER 16

At 10:00

Located along Hill Top Drive, R.D.#1 Conestoga, Conestoga Twp., Lanc. Co. Pa. (at Leo Smith's Store take River Corner Road to Hill Top Drive; turn left to sale).

Brick & frame ranch home w/5 rooms, full bath & attached 1 car garage. Lot size: 256' frontage by 290' depth more or less total of 1 acre of land.

Property open for inspection: Sat's. - Dec. 2 & 9 from 1 till 3 or phone 394-4144 or 299-2266.

Real Estate to be sold at 2:00

Frig. 2 dr. refrig., Coldspot upright freezer, Kenmore wringer washer, gas stove, RCA floor model color TV, Early American stereo, 8000 BTU air conditioner, Furniture in: Windsor, oak, plank bottom, walnut, lime mahg., mahg., wicker, uph., wooden, metal, etc. Picture frames, Hubley & other floor lights, croocks. Iron, brass, tin, bronze & wooden articles Glassware & china in: Leeds, Shirley Temple, carnival, pressed, German, Japan, colonial, depression & everyday Household articles Case #108-7 HP riding mower Some hand & garden tools. Guns: Remm. Gallery 22 special pump, Savage 30-30 & Stevens 410 Coins: Silver dollars, liberty & walk. halves, liberty dimes, Indian head cents & other coins

Guns & coins to be sold at 2:30.

Not responsible for accidents day of sale.

NO OUT OF STATE CHECKS ACCEPTED.

Sale by
RUTH N. RINEER ESTATE
(Mrs. Clarence S. Rineer)
Bernard J. Myers Atty.
Howard Shaub Auctioneer 464-3541
and Roy C. Probst 464-3190

Food Served

PUBLIC SALE

OF FARM MACHINERY — ANTIQUES A FEW HOUSEHOLD GOODS

SATURDAY, DECEMBER 9

12:00 Noon

Located in Chester County, Pa. - Take Route 472 South from Oxford, Pa. about 4 miles to McComsey's Store, turn right onto Media Road, go 1 mile to the T, turn left, first farm on left — follow signs.

FARM MACHINERY

IH Model 5FC flail chopper; 5' New Holland crop carrier, Model No. 3; New Holland No. 269 wire tie baler; Oliver No. 62-T baler with thrower; John Deere FB 13 disc grain drill; Lilliston bush hog; 90 in. Westgo stone picker; wagon chassis with steel wheels; 28 disc harrow; brilliant seeder with cultipacker 8 ft.; 16 ft. hay wagon with racks; IH Super H 2 row cultivator; IH 4 row cultivator 3 point hitch; 24 ft. Little Giant grain elevator with motor; 16 ft. Rambler boat with 35 horse Evinrude motor and trailer; plow colters; 2 four ft. Sears Roebuck lawn mowers, one with new motor with snow plow, disc, cultivator and weights; McCullah grain bin; platform scales; 3 used refrigerators; old doors and gates; mixed alfalfa and timothy hay, by the bale or by the ton; plus other items not mentioned.

Feeder Pigs, Various Sizes

Ducks & Geese, by the piece.

ANTIQUES-HOUSEHOLD GOODS

Eleven piece dining room set; 48x96 Trusale dining room table solid top; 2 captain chairs; 6 mate chairs; square legs, large corner hutch; 42 in. dry sink; porch furniture; porch swing; several old wicker chairs; antique clock, antique rope bed; sewing machines; etc

Terms by
JAMES V. FADDIS
P.O. Box 62
Oxford, Pa.
Phone: 215-932-4695

AUCTIONEER:
John M. Umble, R. 1, Atglen, Pa.
215-593-5756

LUNCH AVAILABLE

"Not Responsible For Accidents"

DILAND FARM
COMPLETE

DISPERSAL

TUESDAY, DECEMBER 5

Starting at 10:00 A.M.

Located in Cumberland Co., 4½ miles northeast of Shippensburg, Pa. Going north on Route 11, turn east on Route 533, go to second macadam road, turn left or north, 2 miles to farm.

42 REGISTERED HOLSTEINS

Cert. - Acc. - Vacc. - 30 Day Health Tests
I.B.R. & Lepto Shots
Preg. Checked - Classified

27 cows and heifers in milk, nearly all between 2 and 5 yrs. old; 3 fresh Sept. and Oct.; 10 due Nov. and Dec.; balance in various stages. Several above 20,000 milk and 700 fat to 899 fat. Rolling Herd avg. 16,195 M., 3.7%, 596 F.

2 bred heifers; 8 yearling heifers; 2 service age bulls; 1 small bull.

Popular sires including Astronaut, Ivanhoe Star, Magnet, Happy Brett, etc. Service sires include Marvex, Gay, Conductor, Ivanhoe Star, etc.

TRACTORS & MACHINERY

J.D. 4020 diesel, tricycle type, Diff lock; J.D. 620, Rolo matic and power steering; J.D. B, Rolo matic powertrol; J.D. B 1938 model, good condition; Oliver 77 gas tractor; Oliver 575 4 - 16" auto. reset plow; J.D. offset transport disc; J. D. KBA 8' disc; J. D. 3 lever harrow; Coby 10' cultipacker.

2 sets J.D. cultivators; 2 Oliver 13 disc drills on steel; McCormick #449 - 4 row disc corn planter; N.H. forage harvester with 1 row cornhead and pickup; Badger and N.H. self unloading forage wagons; Badger hopper blower; J.D. #1209 haybine; N.H. #450 - 3 pt. mower; N.H. #404 hay conditioner.

Vicon 3 pt. wheel rake; N.H. #271 baler with thrower; Grove, Case and N.H. wagons with bale racks; N.H. 30' elevator; Little Giant rollaway elevator; Badger #205 manure spreader with hydraulic endgate; J.D. #45 loader; 3 pt. 6' scraper blade; 3 pt. Yellow Devil sprayer; dump trailer

Surge 25000 K.W. - P.T.O Generator. Butchering equipment and small articles.

Sale order - 10 A.M., Machinery; then Cattle
Lunch at Sale - Cattle Sale in Tent - Catalogs

Owners
ROY J. & RUBY K. DICE
R. 5, Shippensburg, PA. 17257
Phone (717) 532-4819

Ralph W. Horst, Auct.
Gossert & Eberly, Clerks
Fred M. Naugle, Pedigrees

First National farm summit next week

NEW PARK – Gail McPherson, New Park area National Director for the Agriculture Council of America announced recently that leaders from every segment of U.S. agriculture will participate in a national forum to "search out new approaches to the crucial issues facing the farm economy."

The ACA leader said the first National Farm Summit, sponsored by the Agriculture Council of America and Texas A&M University, will be conducted December 4 to 6 on the campus of Texas A&M University in College Station, Texas. U.S. Senator Bob Dole (R-Kan.) and former Texas Governor and Cabinet member John Connally are among the featured speakers at this meeting which is expected to attract several hundred participants concerned with agriculture's future.

"The purpose of the Summit is to go far beyond a discussion of the nature and causes of farm problems," explained Dr. Jarvis Miller, President of Texas A&M University which has the nation's largest College of Agriculture. "The purpose is to take a fresh look at the total picture. To find – where possible – creative answers and new solutions, and to frame these findings in specific, practical and useful terms."

The December meeting will culminate more than a year of planning, research and study on the part of some of the country's leading farm economic experts from both the public and private sectors. The focal point in this preparation has been the work of five special task forces who have been exploring major issue areas. Each group is now finishing a comprehensive report which will be presented and discussed in detail, in hope of reaching an overall consensus on solutions to current and long-term agricultural problems.

"Our challenge is really to challenge agriculture itself. It's time for those of us involved in the nation's most basic industry to reach beyond the old divisions to find the common ground...to identify the important areas of agreement, and define the significant opportunities for positive changes," added Dr. Miller.

Grange upset over U.S. decision

DENVER, Colo. -- Delegates attending the 112th Annual Session of the National Grange here last week were shocked by the announcement from Cecil Andrus, Secretary of the Interior, that he had withdrawn 110 million acres of federal land in Alaska from commercial development or other use for three years. The Secretary's action, which had the approval of President Carter, withdraws the land from "settlement, sale, entry or selection" and reserves it "for the purpose of protecting and maintaining resources values of said land."

John Scott, Master of the National Grange, stated that the Administration has turned its back on the citizens of Alaska and turned a deaf ear to the pleas of rural citizens throughout the United States who had requested that this issue be settled by their representatives in Congress.

Scott said that with the problems of inflation and long-term energy shortages that are facing the nation, it is incomprehensible we would willingly and prematurely lock up potential natural resources whose development is needed to offset our dependence on foreign energy supplies.

We import nearly 50 per cent of the crude oil needed in this country, which has been one of the major causes of inflation. We are short of timber for building supplies causing housing prices to rise. Scott made the Grange's position clear, stating that the Grange believes in the conservation of natural resources but we should be very cautious in locking up our natural resources before we can determine those areas containing resources that are needed to solve today's economic and social problems.

4-H dairy council meets

CHAMBERSBURG - The Franklin County 4-H Dairy Council Board met November 14 to set up plans and committees for the Winter programs.

The Dairy Bowl contests will begin in January. A committee was appointed to review the program and set up the schedule. The final round this year will be held separately from the covered dish supper.

A committee was appointed for the covered dish supper, and the date will be set at a later time. Several ideas were discussed for the entertainment. This decision was tabled until the next meeting, so the leaders can discuss it with their clubs.

There will again be a 4-H dairy calf sale. A committee was appointed and plans are underway.

There is a new club now in progress, led by Grant Gayman and Stanley Helman. It is a dairy management club for older 4-H dairy members interested in a more advanced and concentrated study of dairy management practices. Anyone 15 to 20 years of age who wishes to join is welcome

Extension Dairy Specialist, Phil Wagner, explained that a dairy foods project is available now. If any club or individual is interested, there are several projects, with books, available through the Extension office

The next meeting will be in January.

Wheat Germ

Wheat germ is a perfect way to improve your family s nutritional status For the body to properly utilize its carbohydrates and protein, there has to be a full complement of B vitamins — and wheat germ meets the need Use raw wheat germ in baking, but for sprinkling on yogurt at breakfast — or adding to a noodle casserole — use the toasted kind It tastes better and is more digestible

PUBLIC SALE

REAL ESTATE — WOODLAND
HOUSEHOLD GOODS — ANTIQUES
FARM EQUIPMENT — TOOLS
SATURDAY, DECEMBER 9

9:00 A.M.

Located along Mohler Church Road, one mile North of Ephrata, Ephrata Twp., Lancaster Co., Pa. DIRECTIONS: From Ephrata take Route 272 North, turn right onto Schoeneck Road, then left on Mohler Church Road. Sale fourth property on left. Watch for yellow sale signs.

A certain tract of land consisting of 2 ACRES more or less, erected thereon a:

2½ Story Frame Dwelling

with aluminum siding. Storm windows and doors. FIRST FLOOR: Large kitchen, dining room, living room, sun porch, utility room. SECOND FLOOR: 3 bedrooms, closet full bath, balcony. Attic storage. Full basement, cold cellar. Porch. Oil fired hot air heat. Electric water heater. Well and cistern with pressure system. Large lawn and garden. Shade trees. Shrubbery.

STONE and FRAME BANK BARN and tobacco shed combined with 2 Car Frame Garage attached.

OPEN HOUSE: Saturday, November 25 and Friday, December 1, 12:00 noon to 4:00 P.M. or by appointment.

4 ACRES OF WOODLAND located on Ephrata Mountain, with private right-away leading from Mohler Church Road. For more information contact Irwin W Nolt 717-733-2615.

TERMS FOR BOTH REAL ESTATE: 10% down day of sale. Settlement in 30 days.

Real Estates at 2:00 P.M.

HOUSEHOLD GOODS

Hotpoint refrigerator with freezer, like new; Hotpoint chest type freezer; Maytag wringer washer, like new; Kenmore electric apartment size stove; 4 utility cabinets; 4 plank bottom kitchen chairs; 8 board dropleaf ext. table; recliner chair; sofa bed; platform and swivel rockers; arm chairs; 4 pc. maple bedroom suite with spring and mattress; double bed and 2 single beds with springs and mattresses; wardrobe; 8 DAY GRANDMOTHER CLOCK with glass front; portable Singer sewing machine; piano stool, flower stand with glass ball claw feet; 12'x15' rug and mat; sweeper with attachments; pole light; window fan; floor lamps; card table with 4 chairs; 5 clothes trees; electric heater; meat grinder with motor; meat saws; Agateware; electric can opener; 3 butter churns; hassocks; silverware; stainless steel cookware; lots of tumblers; crocks of various sizes; vases; cookie jars; large assortment of cut glass and painted dishes; chicken on the nest dishes; china and steel animals; decorated pitchers; kitchen scales; books; copper canner; flower pots; lawn chairs; porch bench; lots of throw rugs; QUILTS; quilt tops; patterns and patches; linens; table cloths; pillows; spreads; comforters; several shawls; horse blanket; canning jars; brooms; buckets; plus more useful kitchen ware not listed

ANTIQUES

Bowers sideboard and 6 living room chairs; slant top desk with Birdseye drawers knobs; pine blanket chest with shelf; cedar chest; bookcase desk combined with beveled mirror and frosted glass; 2 mantel clocks; straw cutter; 6 legger library table; wooden high chair; 3 sets of six, various types living room chairs; 4 old rocking chairs; washstand; dresser; bookcase; several cane seated chairs; old mirror; toy box; 2 trunks; suitcases; 2 spittoons; old bottles; toy castiron stove; steel meat fork; ladle; apple peeler; lantern; wine glasses; salts; steel lion penny bank; several straight razors and stone; quilting frame.

FARM EQUIPMENT — TOOLS

ROPER HYDRO 13 H.P. RIDING MOWER, like new; Oliver 60 tractor with cultivator and plow; 28 disc harrow; potato plow; garden hoer; perry harrow; tobacco lath; 2 wheel trailer; 6 ceiling type gas heaters; water trough; pump jack; HAHN ECLIPSE GARDEN TILLER and 21 IN. SELF-PROPELLED LAWN MOWER, both in good condition; 32 in. lawn sweeper; table saw with electric motor; jig saw; lathe and drill press combined with chisels; anvil; forage blower; ¼ in. drill with press; bench grinder with electric motor; ½ H.P. electric motor; MASON and CARPENTER TOOLS; BLACKSMITH TOOLS; electric saw and drill; 40 ft. ext. ladder; wheelbarrow; glue pot; forming tools; air compressor; pipe threader; cutter; vise; socket set; assortment of wrenches; punches; bolts; nails; wire; bench vise; work bench; drill bits; wooden pulleys; log chains; water pump; fishing equipment; V belts; lots of garden tools; hay knife; post hole saw; stepladders; cords; axes; hammers; forks; feed chest and scoops; ropes; digging irons; picks; coal brooder stove; lots of sledge hammers; bag wagon; lawn roller; chicken feeders and waterers; 4 rollaway chicken nests; cops; pipes and fitting; garden cart; school desks; grain bags; apple picker; auger bits; berry boxes; shovels; rakes; hoes; oil heater; jack; milk cans; shoe lathe; scythe; hog scrapers; Stevenson 12 ga. single shot gun; Stevenson 32 single shot rifle, plus many more things not listed.

SALE ORDER: Tools, Equipment, Household Goods, Antiques. Real Estates at 2:00 P.M. Come early and enjoy the day with us.

Sale for
ELMER Z. HIGH
717-733-8379

Atty. Geo. Morgan
Aucts.
Nevin Z. Martin — 354-7186
Lewis B. Groff — 354-7826
Clerks: Martins

Lunch Served
Not Responsible for Accidents

Bull Farm
Purebred Angus since 1946

Proudly Hosts A Joint Production Sale of ANGUS CATTLE With

Rolling Hill Farm
HILLSBORO, VIRGINIA

and

Hill Crest Farm
Angus Cattle Since 1928

Sat., Dec. 9, 1978 at Aldie, Va.

Lunch served at 11:00 **Sale starts promptly at noon**

Directions to Sale
Rt 15, 2 mi. South of Gilberts Corner (Rt. 50), Right on 600 (S) - Bull Run Farm SIGN

Features Include:

Daughter of Bon View Winton 1342
- International & Denver Champ
- Bred to Sayre Patriot '

Denver Champ & Twice North American International Champion no other bull has this record

Also Featured Will Be the 1st Mon Reposa Chapparel Calves Offered For Sale In this Area

- 5 Angus Herd Sire Prospects
- 2 Wye Bred Bulls
- 2 1342" Sons
- 1 Revolution Colossal Cross
- 15 Bred Heifers
- 3 Open Heifers
- 30 Cows With Calves
- Several 3 in 1 Combinations

Several top Notch "Colossal" granddaughters nursing calves by Wye, Graham "1342' herd Sires their offspring may carry as many as 6 Certified Meat Sires in 1 Pedigree

FOR CATALOGS & INFORMATION CONTACT
VA. ANGUS ASSOC., Sale Mgr. (804) 293-3044
John Rucker - 364-2875
Ed Tumblin 327-4737
Preston Swecker - 868-6425

Sale reports

A Public Auction of valuable antiques was held November 23 by Mr. & Mrs. Daniel C. Waltemyer, Kohler Road, York Co., Pa. There was a good turnout for the sale.

Items sold included: Oak China Closet $420, small China Closet $190, Galloway 7 H.P. Gasoline Engine $800, damaged Dry Sink $180, Brass Mantle Clocks $200 & $265, small Chest-Type Ice Box $100, Open End Wash Stand $65, Shirley Temple Cream Pitcher $23 and Stover 3 H.P. Gasoline Engine $365.

Charles W. Shrodes and David W. Shrodes were the auctioneers.

xxx

A Public Sale of farm real estate and personal property was held November 24 for the Mary J. Martin Estate, 6 miles east of Shippensburg, Pa.

The 76 acre farm was sold for $106,000 to Allen B. Martin of Kutztown, Pa. It included a 2½ story frame dwelling, double mow bank barn, wagon shed, milk house, and chicken house.

Other items sold were: Roll Top Desk $900, China Closet $440, 1 piece Corner Cupboard $350, Spinning Wheel in a Bottle $100 and Pictures & Frames $100.

Hershey & McLaughlin were the auctioneers.

xxx

A Public Sale of Holsteins was held November 21 by Lloyd Z. Fox, RD3, Ephrata, Pa.

The average of the 38 grade Holsteins was $825. The high cow sold for $1250, 2nd high cow brought $1175, and 3rd high was $1125.

Auctioneers was Ruben Houser.

xxx

A Public Sale of real estate and farm machinery was held November 24 by John H. & Ellen I. Rhoad, R D. 2, Grantville, Dauphin Co., Pa.

The 97 acre farm was sold for $180,000 to Thomas Shutt, R.D.1, Grantville, Pa. It included a 2½ story house, 4 bay garage, 2 story implement storage and 2 story frame and stone barn.

Other prices were: Int. 15 Harvester $600, M.F. 65 G w/loader $4400, Smoker 24' Elevator $300, Ontario Drill $970, Cutditioner $900, Oats $1.45 per bu. and Iron Kettles $80 to $85.

Harry H. Bachman was the auctioneer.

xxx

A Farm Sale was held November 25 for the H. Leeman Spring Estate, R.D. 1, Muncy, Pa. A big crowd attended the sale.

Some items sold included: Buggy Seat $205, Edison Phonograph $105, small Music Box $400, High Back Cupboard $500, Red Lamp $45, old Violin $210 and the tools sold very high.

Auctioneers were Kenneth D. Young and Kenneth C. Young.

xxx

A Public Sale was held November 23 by Mamie Rebuck on Main Street in the Borough of Gratz, Pa.

Some household items sold were: Decorated Bedroom Suite $170, old Meat Slicer $51, old Store-type Coffee Grinder $26, Refrigerator $160 and Motorola Color TV $265.

Lee D. Dockey was the auctioneer.

xxx

A Public Auction of three valuable properties in Clay Township, Lanc. Co., Pa. was held November 25 by Roy and Margaret Bollinger.

Property Number 1 consisted of an 89 acre dairy and tobacco farm which was sold for $5250 per acre or $470,281.00 to Amos B. and Katie D. Lantz, R.D. 1, Leola, Pa.

Property Number 2 was a 64 acre steer and tobacco farm and sold for $4800 per acre or $307,520 to Ammon B. and Amanda L. Lantz, R.D. 1, Bird-in-Hand, Pa.

Property Number 3 contained 3 acres, 2½ story frame dwelling and a small frame barn and was sold for $40,500 to Ammon B. and Amanda L. Lantz also.

John E. & Paul E. Martin were the auctioneers.

xxx

A Public Auction of farm machinery was held November 25 by Mr. & Mrs. Maynard Kilmer, 3 miles east of Pillow in Northumberland Co., Pa., with 120 reg. buyers.

Items sold included: Int. 300 w/loader $1550, Int. M Tractor $910, J.D. 60 Tractor $1000 and 300 Anthony Leghorn Pullets at $2.50 each.

George Diebert was the auctioneer.

xxx

A Public Sale of real estate and antiques was held November 25 for the Sarah M. Schuman Estate at Main & Market Sts. in Elizabethville, Pa.

The 2½ story frame structure was sold for $21,000.

Other items sold were: Brass Bed $400, Bentwood Ice Cream Chairs $10 to $17.50, Kitchen Cabinet $25, Showcases $25 & $65, 5 pc. Bedroom Suite $140, RCA radio w/separate speaker $70 and Brass Clothes Tree $51.

Lee D. Dockey was the auctioneer.

Cattle numbers up

WASHINGTON, D.C. - Cattle and calves on feed November 1 for slaughter market in the seven States preparing monthly estimates totaled 9.30 million, 14 per cent more than a year ago and 27 per cent more than November 1, 1976, according to the Crop Reporting Board. Marketings of fed cattle during October were 1 87 million, a record high for the month, 17 per cent greater than last year and 25 per cent more than 1976.

Placements of cattle and calves on feed in the seven States during October were 2.78 million, down four per cent from the record high set last year but 21 per cent more than October 1976. Net placements of 2.63 million were down five per cent from last year but 19 per cent greater than two years ago.

Other disappearance totaled 153 thousand compared with 115 thousand in October 1977 and 86 thousand in 1976.

Public Sales Register

DECEMBER

SAT DEC 2 - 10 A M Public Sale of Clair Eckman Estate, Real Estate Located 243 Miller St , Strasburg, Pa , along #741 West end of Strasburg Sale by Clair Eckman Estate The First National Bank of Strasburg, Executors Howard Shaub & Roy C Probst, Auctioneers

SAT DEC 2 - 12 Noon Public Sale of Valuable Real Estate, Household Goods, Antiques & Antique Car Located on 3626 Holly Dr and Evergreen St in the Village of Intercourse, Lancaster County, Pa Terms by John B Ranck, Jr & Ruth E Mentzer, Executors for the Estate of J Earl Ranck, deceased Auctioneer Leon Kurtz

SAT DEC 2 - 10 A M Large Public Sale of New and Used Tractors, Combines, Tillage Tools and other related agricultural farm machinery by Eastern Shore Dealers to be held at the Delmar Race Track, Delmar, Delaware Sale conducted by Godley Auction Company

SAT DEC 2 - 2 P M Public Sale of 43 Acre Farm Located on Oakland Drive, approx 1 mile off Rt. 625, 1½ mile SE of village of Bowmansville, Brecknock Twp , Lancaster Co , PA Martin and Mary Kilmer Owners LeRoy S Horst and Paul W Horst, Auctioneers

SAT DEC 2 - 2 P M Public Sale of House and Barn on 1 Acre Located on Oakland Drive, approx 1 mile off Rt 625, 1½ mile SE of village of Bowmansville, Brecknock Twp , Lancaster Co , PA Emma Kilmer, Owner LeRoy S Horst and Paul W Horst, Auctioneers

SAT DEC 2 - 11 A M Public Auction of Commercial Real Estate, Barn & Restaurant Equipment Located ½ mile East of Coatesville on Business Rt 30 - Loomis Ave , 225 E Lincoln Hwy , Caln Twp , Chester Co , PA Sale by Sabastan & Ronald Ruffini Auctioneer William March Jr

If you've ever wondered why a hockey goalie wears so much equipment, here's the reason: a slap shot, often called a "zinger", is clocked at 130 m.p.h. A full suit of armor is hardly protection enough.

PUBLIC SALE

OF 129 ACRE FARM

SATURDAY, DECEMBER 9, 1978

AT 11:00 A.M.

Located between Bernville & Shartlesville along Bernville Shartlesville Rd. Upper Tulpehocken Twp., Berks Co., Pa.

REAL ESTATE CONSIST OF 2 HOUSES

House#1: 2½ story stone. 1st. floor: Kitchen, dining room, living room. 2nd floor: 4 bedrooms & full bath. & basement, oil hot water heat.

House #2: 2½ story frame house with modern kitchen, living room, full bath on 1st floor. 3 bedrooms & ½ bath on 2nd floor, Hardwood floors, full basement, O.H.W. heat.

Barn: 40'x80' stone & frame bank barn, older type stables, good tin roof.

Other Blds: 25'x34' Corn shed, 28'x28' Equip. shed, large ground cellar, summer house.

Water Supply: Well & Pressure system, also spring fed system, 2 spring fed streams, North Kill Creek crossing property.

Ground: 80 acres tillable in high state of cultivation. 49 acres in grassland & woodland, also some heavy timber.

School District: Hamburg.

Zoning: 2 acre minimum lot size.

Terms: 10% dn. day of sale, final settlement by Feb. 9, 1979. Inspection anytime by appointment.

Call: HORNING FARM AGENCY, INC. 215-286-5183

Terms by:

ELIZABETH BLATT ESTATE

Mervin A. Blatt & Marilyn K. Kline
Executors
Attorney Charles F. Fitzpatrick
Elton & Alvin Horning Auctioneers
HORNING FARM AGENCY, INC.
Main Street
Morgantown, Pa.
215-286-5183

PUBLIC AUCTION

FARM EQUIPMENT

SATURDAY, DECEMBER 9

At 11:00 A.M.

12 miles North of Reading, 3 miles South of Hamburg; just off Shoey Rd. between Shoemakersville & Centerport, Center Twp., turn onto North End Rd. to first farm in Berks Co. PA.

JD 4000 diesel tractor, wide front, 1900 orig. hrs.; JD 630 gas tractor; 1950 FORD K5 dump truck; JD 40 self propelled combine, 10' head; JD 5 btm. 16" semi mtd. trip plow; JD 4 btm. 3 pt. plow; KBA 9' transport disc; Brillion 10' single roll cultipacker; 8' cultipacker; JD 12' tractor harrow; JD FB-B 17 hoe grain drill w/seeder; JD 1240 plateless 4-row corn planter; Kewanee 32'x6" transport auger w/motor; 15'x6" auger; NH 1469 self-prop. Haybine; JD #5 sickle mower; NH 256 hay rake; JD 336 baler w/ejector (Like new); 4 wide track 16' long bale wagons, 3 NH 7' wide & 1 NI 8' w/Jerr Dan body; 4 wh. flat trailer; 80' hay mow elev.; NH 36 flail chopper; NH #6 & #8 crop carrier front & rear unloading forage wagons; 45' x 9" silo pipe; NH #327 & #512 manure spreaders; 3 barrel pull type sprayer; 3 barrel pull type sprayer; 3 pt. rear blade; Dearborn 3 pt. post hole digger; JD 3 sec. rotary hoe; advanced 20' rubber belt elev.' 1 hole corn sheller; feed cart; 32' grain storage trailer; (2) 16' alum. gates; air compressor; 3 Int. elec. fencers; cast iron troughs; JD hyd. cylinders; Stewart clipper; elec. motors; 100 wdn. elec. fence posts; 12" Wiard horse plow; meat grinder; sausage stuffer; butcher bench; 32' ext. ladder; table saw; straw cutter; False end gate unloading unit; 14.9 x 28 used tire; 12 x 36 tire chains; Jamesway shuttle stroke bar cleaner unit; platform scale; 24 cu. ft. refrig; (2) 24" barn fans; block & tackle; new ¾"x100' rope; log chains; wagon whls; 450 lb. anvil, 3 milker units; 16 qt. SS bucket; dbl. SS tubs; 2 al. potato shovels; 9 knives for 717 harvester; nuts, bolts, nails, forks, shovels, 50' cables; plus many items too numerous to mention.

Auct. Note: This is a fine line of modern equip. in ex. condition. A complete sellout. Farm sold due to ill health.

Terms: Cash or check, day of sale.

Refreshments served.

Ordered by:

LUKE & EMMA DIETRICH

Conducted by
Ralph W. Zettlemoyer Auction Co.
(215) 285-4616

PUBLIC AUCTION

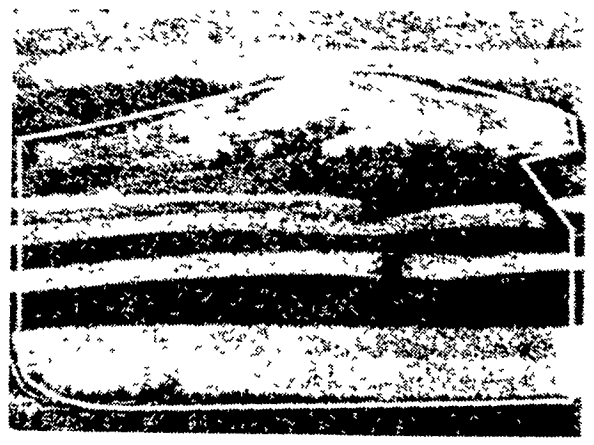
VALUABLE 126 ACRE

M/L DAIRY FARM

THURSDAY, DEC. 14

1:30 P.M.

On the premises located in Tulpehocken Township, Berks County (approximately 10 miles North of Myerstown, Lebanon Co.). Travel Route 419 North of Womelsdorf to old Route 22. Turn right for approximately 5½ miles through town of Strausstown to auction sign on right side of Old Rt. 22. Turn right ¼ mile to farm on left. Farm located ½ mile from Roadside America. Because of age and health the Burkholder's will sell this farm at auction!



(ZONED AGRICULTURE PRESERVATION)

Complete dairy operation with approximately 126 acres. 70 acres in corn & 35 acres in alfalfa hay. Balance pasture with 2 streams and over 3500 feet of hardroad frontage. Farmland is in a high state of productivity with good loam soil, flat to gentle slope and contoured fields. Frame bank barn containing 34 stanchions, maternity pens, handy heifer barn, barn cleaner, 16' x 55' silo with unloader, milk house with 400 gallon Tolan Milk Tank and vacuum pump. 4 bay garage, 25' x 42' implement shed, corn barn and corn bins. Large 2½ story frame w/asbestos siding, 4 bedroom house with large eat-in kitchen with two fireplaces, modern bath, large living room and spare room, new hot water oil baseboard heat, slate roof, and full attic and basement.

(Owner financing available to qualified buyer).

NOTE: Over 100 acres of tillable ground all ready to go in Spring. For details and interesting financing terms, call auctioneer for inspection. (717) 733-1006. A real opportunity to own your own dairy farm now!

Terms By:

PAUL Z. & MADELINE M. BURKHOLDER

(215) 488-1924
R.D. 1, Bernville, PA 19506

Sale conducted by:
Randal V. Kline (717) 733-1006
Lloyd H. Kreider, Auctioneers

KLINE AUCTION SERVICE
R D 1 Stevens Pa 17578

FIRST ANNUAL YEAR - END
PUBLIC AUCTION
OF FARM, LAWN & GARDEN EQUIPMENT
SATURDAY, DECEMBER 9, 1978
9:00 A.M.

Farmersville Equipment brings you our First Annual Year End Farm Equipment Auction. This is not a going out of business auction, nor is it an appraisal procedure. **Farmersville Equipment** will do everything within their power to sell everything put up for auction.

FARMERS - REMEMBER THIS EQUIPMENT IS ELIGIBLE FOR YOUR 10% TAX INVESTMENT CREDIT FOR THIS YEAR.

— FREE GIVEAWAY —
To be given away FREE at close of Auction.
HOMELITE CHAIN SAW
All adults who register for an auction number by 9 A.M. are eligible to register to win chain saw. Winner must be present to win.

★ FARM EQUIPMENT ★ TRACTORS
★ LAWN & GARDEN EQUIPMENT
★ HARDWARE ★ LARGE ASSORTMENT POWER TOOLS & GARDEN TOOLS
★ LOTS OF OTHER SMALL ITEMS

FREE COFFEE & DONUTS ALL DAY!

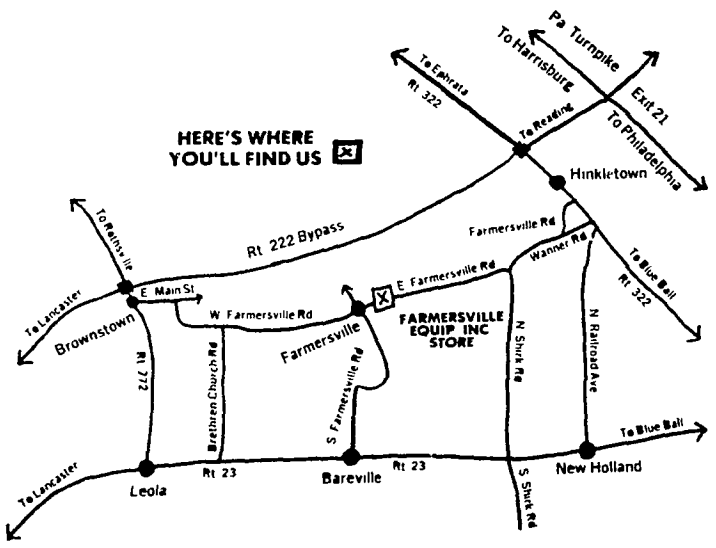
NEW FARM EQUIPMENT:
White 5400 4R Planter w/monitor
White 543 4R Planter
White 508 Plow, 4B 18" cush. trip
White 348 Plow, 3 pt. 3B 18" auto. reset
White 263 Disc, 12'
White 283 Spring Harrow, 12½'
White 508 plow, 3B 18" semi-auto.
White 374 4-row cult.
White 252 Disc 11½'
White 251 Disc 9'
Fox 2250 Harvester w/2-row head, electric sharpener
Fox 736 3-row wide corn head
Fox 299 Flail Head
Fox cab for Self-Propelled
Fox 625 Forage Wagon w/12 ton gear, new tires
Brillion 5' & 7' Chisel Plows
Brillion 8' & 11' Cultipacker
(2) 4 ft. Brillion Cultipackers, gang extension
Brillion 12' & 15' Cultimulcher
Brillion 10' Grass Seeder w/transport
Brillion 16½' Field Cult. w/wings
Wetmore 10 & 12 ton Wagon Gears 3 pt. post hole diggers w/12" Auger
Glenco 5 tooth soil saver
Vicon 3 pt. Fertilizer Spreader
Bush Hog 1432 Disc, 10'
Bush Hog 5', 3 pt., rear blade
Bush Hog 1432 Disc, 9'
Bush Hog 1438, 14'
King 11' Offset Disc
Hawk-Bilt 157 & 187 Tank Spreaders
Bush Hog 10½' Rotary Cutter
Bush Hog 5', 8', 10' Chisel Plows
Sauder FHV-20 Hi-Lift Loader w/bucket
Imco 6' Scraper Box
McConnel Drag Spring Harrow
(2) J&M 250 - 7 Gravity Boxes w/10 ton wagon gear
Bush Hog 6', 3 pt Rotary Cutter
Bush Hog 5', 3 pt. Rotary Cutter
Wetmore 385 Grinder Blower for high moisture corn
Clay Honey Wagon, 1500 Gal.

USED FARM EQUIPMENT:
John Deere 2010 diesel Utility Tractor
Ford 801 gas Tractor
Oliver 365 Plow, 4B, 3 pt.
Oliver 565, 4B, semi
Oliver 13-7 Grain Drill
Fox 546 Ind. Harvester w/2-row wide
Fox Hay Pickup, 5½'
Oliver 575, 4B, semi, hyd. reset
Oliver 3242, 3B, 3 pt.
Oliver 252 disc, 21' w/wings
Fox 425 Harvester w/1-row head
Oliver 62T Baler
Oliver 5 corn picker
Fox 546 Harvester, 1000 PTO, w/2-row narrow head
Fox Hay Pickup, 5½'
Oliver 565 Plow, 4B semi
Oliver 575 Plow, 3B, semi, hyd. reset
(2) Oliver 252 Disc, 10'
Wood RM59, 60" Mower
Brillion 10' Transport Harrow
Imco 3 pt. Disc Harrow
Oliver 3 pt 2-row Cult
(2) John Deere Drag RBA Discs
Oliver 2B Plow, 3 pt.
(2) Cultipackers
Case 2R, 3 pt. Planter
IH Horse drawn Ground Drive Spreader
Allis Chalmers 170 Diesel Tractor, 800 hrs., like new
Oliver 408 Grinder Blower w/screens for high moisture corn
John Deere KBA 10 ft Transport Disk
New Idea 214 Manure Spreader

LAWN & GARDEN EQUIPMENT
★ New Kubota L-185DT 4-wheel drive w/hyd. loader
★ New Kubota B-6000 w/hyd. angle 4 ft. blade
★ (10) New & Used Chain Saws
★ (10) New Campbell/Hausfeld air Compressors
★ (5) New & Used Knipco Portable Heaters
Used 1 HP stationary Air Compressor
Used White 518 & 622 Pressure Washers
Used White 1622 16 HP 2 cyl. w/50" Mower
Used Bolens 1556, 15 HP w/42" Mower
Used Bolens 1254, 12 HP w/42" Mower
Used Bolens 1256, 12 HP, hydro w/42" Mower
Used Bolens 600, 6 HP w/32" Mower
Used Electrak E-16 w/42" Mower
Used Electrak E-14 w/42" Mower
Used Sears Weed Eater Trimmer
Used Weed Eater Trimmer
Used Echo Weed Trimmer
New Snapper 8 HP elec. start 30" Rider
New & Used Bolens Mulching Mower
Used Gilson 5 HP Riding Mower
New Brinly Garden Cultivator
Used Brinly Corn Planter
New Jackson 10 cu. ft. Dump Cart
Used Lincoln 200 AMP Welder & Generator
New Imco 1R, Cult , 3 pt
Pittsburg 2B 12" Plow

NEW MISCELLANEOUS EQUIPMENT
Hydraulic Cylinders, 3 & 4"
Quantity Motor Oil & Grease
Deka 12 volt Batteries
Oliver 16" complete Raydex Plow Bottoms
14" &16" Oliver Plow Shares
ROPS Canopy w/side curtains for White 2-50 or 2-60 Tractor
ROPS Canopy for White 2-70
ROPS Canopy for White 2-85
Fox Recutter Screens
Shenandoah galvanized round hole Hog Feeder
Shenandoah chromized Hog Feeder
Kuhl Poultry hanging feeders w/covers and hanging ropes
(7) Hoskins Red Top Cattle Waterers

MANY OTHER EQUIPMENT ITEMS TOO NUMEROUS TO MENTION!



AUCTION BY

FARMERSVILLE EQUIPMENT INC.

RD4, EPHRATA, PA 717-354-4271

Auction Conducted By:
John E. and Paul E. Martin, Auctioneers
717-733-3511 — 717-733-3305
Ephrata, Pa.

Order Of Auction: 9:30 A.M. Auction begins with Hardware and Small Items. 11:00 A.M. Lawn and Garden Equipment. 12:00 Noon Farm Equipment.

— FOOD AT AUCTION —

★ **ALL EQUIPMENT LISTED HERE WILL NOT BE FOR SALE BEFORE SATURDAY, DEC. 9. PLEASE DO NOT CALL FOR PRICES OF EQUIPMENT IN ADVANCE AS THIS IS A PUBLIC AUCTION. THANK YOU!**

Public Sales Register

SAT. DEC. 2 - 10 A.M. Public Auction, Nicholson, Pa., Susq. Co. Located 25 miles North of Scranton, 35 miles South of Binghamton, NY, and 12 miles East of Tunkhannock on Rt. 11 at the Dogpatch Zoo. Watch for Auction Arrows. Owners Charles & Mildred Artley. Auctioneer Kent Ennes.

SAT. DEC. 2 - 2 P.M. Public Sale of Two Parcels of Valuable Real Estate. Located along Oaklyn Drt. approx. 1 mile off Rt. 625, 1½ mi. South of the village of Bowmansville in Brecknock Twp., Lancaster Co., Pa. Terms by Martin & Mary Kilmer. Auctioneers LeRoy S. Horst & Paul W. Horst.

SAT. DEC. 2 - 10 A.M Public Auction of Real Estate 140 Acres & Colonial Home, Chambersburg, Franklin County, Pa. Off Rt. 30 East, back of Howard Johnson Motel on Walker Rd. To be offered for sale at the Franklin County Court House, Chambersburg, Pa. Valley Bank & Trust Co. Executor. Auctioneer J. Robert Meyers.

MON. DEC 4 - 2 P.M. Danville Livestock Market Hog Sale, Old Route 11, Danville, PA.

TUES DEC. 5 - Dispersal of Holstein Cattle & Farm Equipment for Roy Dice on farm located Northeast of Shippensburg, Pa. off Rt 533 Ralph W. Horst, Auctioneer, Fred M. Naugle, Pedigrees.

TUES DEC 5 - 6 P M. Farmersville Auction. In Farmersville, 3 mi East of Brownstown, Lancaster County, PA

WED DEC. 6 - 1.00 P M Selling for Jonathan Lapp 40 two and three way Cross Bred bred gilts to be sold at the New Holland Sales Stables, Inc., Weekly Feeder Pig Sale, 12 miles East of Lancaster on Route 23, New Holland, Penna.

WED. DEC. 6 - 6 P.M. Sharp. Meat Market-Grocery Store Liquidation. Located #34 East Ave. (across from school) Avoca, NY. Owned by Wood-Mar-Mart, Inc. Sale by Pirrung Auctioneers, Inc.

SAT. DEC. 6 - 7 P.M. Danville Livestock Market Horse and Tack Sale, Old Route 11, Danville, PA.

THURS. DEC. 7 - 11 A.M. Golden Harvest & Garden Spot Sales. Located at the Guernsey Sale Pavilion Located on Rt. U S 30, 6 miles East of Lancaster, Pa. 110 Registered Holsteins. R. Austin Backus Inc. Sale Mgrs. & Auctioneers

THURS. DEC. 7 - 5:30 P M Public Auction at the Hat & Gavel Auction Co., located one mile North of Lititz along Rt. 501. Auctioneer Wilbur H. Hosler

THURS. DEC 7 - 1:30 P M Sennett Sales, Sennett, NY, 4 miles East of Auburn, NY on Rt 5, use 81 to N Y Thruway go west to exit 40 at Weedsport, NY, then go South 5 miles to Sennett. Special Dairy Dispersal Sennett Sales Hicks & Spingler Livestock, Inc

FRI. DEC 8 - 2 P M. Public Sale of Real Estate - 2 Tracts of land - Tract 1 Zoned Business District 1 2 acres & Tract 2 Zoned Residential 14 2 acres. Located 1834 Oregon Pike, Lancaster, PA. Executor - Nathanial Longenecker Estate Kline Auction Service

FRI DEC. 8 - 12 P M Mel Kolb, Inc. Daytime Auction At the farm formerly known as Black & White Farm, Lancaster, Pa, West of Lancaster on Dairy Lane Take Rt 283 West of Lancaster, exit just beyond ABC Stud Barns at Florys Mill Rd, turn left after exiting, go to mill, then sharp right under railroad bridge. Barn within sight of Rt. 283. 135 Head of top Grade & Registered Holsteins. Sale by Melvin Kolb, Inc. Auctioneers Robert Mullendore & Paul Snyder.

FRI. DEC. 8 - 5:30 P.M. Gap Auction, located off Rt. 41, Lancaster Turkey Hill Minit Market, cross RR bridge. Ira Stoltzfus & Son, Auctioneers.

FRI. DEC. 8 - 2:30 P.M. Special Sale Feeder Cattle & Calves. Blue Ridge Livestock Sales, Inc, Charles Town, West Virginia 25414.

SAT. DEC. 9 - Public Sale of Real Estate, Household Goods, Antiques, Farm Equipment and Tools. Located Mohler Church Rd., 1 mile north of Ephrata PA. Elmer High Owner. Nevin Z. Martin & Lewis B. Groff Auctioneers

SAT DEC 9 - 11 A M. Public Sale of 110 Acre Farm To be offered as one or 6 separate tracts, 1 mile opposite Sun-Set Diner on 422, 5 miles East of Reading on Pineland Rd., entrance on Schoffer's Rd Terms by John DeLong. Auctioneer C L Butter Zimmerman

SAT. DEC. 9 - 9 A.M. Year End Farm Equipment Auction by Farmersville Equipment, Inc, R D #4, Ephrata, Pa John E & Paul E. Martin Auctioneers.

SAT DEC. 9 - 11 A M Public Sale of 129 Acre Farm Located between Bernville & Shartlesville along Bernville Shartlesville Rd, Upper Tulpehocken Twp., Berks Co, Pa. Terms by Elizabeth Blatt Estate Elton & Alvin Horning Auctioneers, Horning Farm Agency, Inc

SAT DEC 9 - 2 P M. Public Sale Blue Mountain Woodland Located in Bethel Twp., Berks Co, Pa. at residence of Owner Mary J Strauss, Bethel, Berks Co., Pa 4 Adjoining Tracts Totaling 71+ Acres will be offered separately & as a whole. Auctioneer Dave Risser.

SAT DEC. 9 - 2 P.M. Public Sale of House and Barn on ½ acre lot Located along Rt. 625 at the Southern end of the Village of Bowmansville, directly across from the Pine Grove Church in Brecknock Twp., Lancaster Co., PA. Joseph H. and Mable Z. Horning, Owners. LeRoy S. Horst and Paul W. Horst, Auctioneers.

SAT. DEC. 2 - 2 P.M. Public Sale of 43 Acre Farm. Located on Oakland Drive, approx 1 mile off Rt. 625, 1½ mile SE of village of Bowmansville, Brecknock Twp., Lancaster Co, PA. Martin and Mary Kilmer Owners. LeRoy S. Horst and Paul W. Horst, Auctioneers

SAT DEC. 9 - 11 A.M. Public Auction Farm Equipment. Located 12 miles North of Reading, 3 miles South of Hamburg; just off Shoey Rd. between Shoemakersville & Centerport, Center Twp, turn onto North End Rd to first farm in Berks Co., Pa. Ordered by Luke & Emma Dietrich. Conducted by Ralph W Zettlemoyer Auction Co

SAT DEC. 9 - 12 P M. Public Sale of Farm Machinery, Antiques and Few Household Goods. Located in Chester Co, 5 miles South of Oxford, PA. Owner James V Faddis, Auctioneer John Umble

SAT. DEC. 9 - 2 P M Public Sale of Valuable Real Estate Located along Rt. 625 on the Southern edge of the village of Bowmansville across road from Pine Grove Mennonite Church in Brecknock Twp, Lancaster Co., Pa. Terms by Joseph H. Horning & Mabel Z. Horning. Auctioneers LeRoy S. & Paul W. Horst

SAT. DEC. 9 - 10 A.M. Public Sale of Livestock, Milking Equipment, Farm Implements & Some Household Goods. Located on the Rufus Furlow Farm N.E. of Sinking Spring, entrance to farm at west end of Sinking Spring. Terms by Earl Eberly. H.H. Leid Auction Service.

SAT. DEC. 9 - 2 P.M. Public Auction of Real Estate. Located in Rapho Twp., Lancaster Co., 5 miles West of Manheim on Hosler Rd. Or take the Mt. Joy Road exit off Rt. 283 to Strickler Rd. & go 5 miles North to intersection of Strickler & Hosler Roads. Sale by Martin J. & Sandra F. Fahnestock. Auctioneers Alvin L. Miller & Elvin E. Siegrist.

SAT. DEC. 9 - Public Sale of Real Estate Located on Old Strasburg Pike between Gap & Parkesburg, in Sadsbury Twp., Lancaster Co. 1.7 miles East of Gap Turkey Hill Minit Market. Terms by Mrs. Jeff Coats. Auctioneer Chet Long.

SAT. DEC. 9 - 9:30 A.M. Public Sale of Farm Equipment. Located at our place of business approx 8 miles South of Hagerstown, MD on Rt. 40-A, at Farmers Livestock Exchange, Boonsboro, MD. Raymond's Farm Machinery, Raymond D. Monninger. Auctioneers James G. Cochran, Robert C. Mullendore & S. Braden King.

SAT. DEC. 9 - 12 Noon Public Sale of New Tools at the Green Dragon Market, 3 miles North of Ephrata. Terms by A.K. King. Kreider & Diller Auctioneers

SAT DEC. 9 - 12 Noon Bull Run Farms Joint Production Sale of Angus Cattle with rolling Hill Farm & Hill Crest Farm. Located Rt. 15, 2 mi. South of Gilberts Corner (Rt. 50), Right on 600 (S.) Bull Run Farm Sign. VA. Angus Assoc, Sale Mgr.

GAP AUCTION

FRIDAY EVE., NOVEMBER 24, 1978

5:30 P.M.

Located off Route 41 - Lancaster Avenue opposite Turkey Hill Minit Market - Cross RR Bridge.

ANTIQUES AND HOUSEHOLD GOODS SOLD AT EVERY AUCTION.

CONSIGNMENTS ON MONDAYS
FROM 8:00 A.M. to 7:00 P.M.
OTHER DAYS BY APPOINTMENT.
Call us for pick-up service.

IRA STOLTZFUS & SON, Auctioneers
442-4936 or 442-8254
CONDUCTORS ALL TYPES PUBLIC SALES

AUCTION CLOSED NOV. 27 - DEC. 4

GOLDEN HARVEST & GARDEN SPOT SALES

THURSDAY, DECEMBER 7

(11:00 A.M.)
Lancaster, PA.

Sale held at the Guernsey Sale Pavilion located on Rte. U.S. 30, 6 miles east of Lancaster, Pa.

110 REGISTERED HOLSTEINS

(Milking Age - Bred Heifers - Open Heifers - Heifer Calves - 10 Service Bulls)
All tested for immediate interstate shipment.
SOME OF THE FEATURES SELLING!!

* Cat. #1 is a 2 yr. dtr. of Kingpin out of VG dtr. of Elevation with 827 F. 22,285 M. at 3 yrs., 2nd dam VG-87 with 23,200 M., 926 F. 3rd dam VG, 4th dam VG 992F. Hfr. bred June 4 to Conductor.
* 2 yr. Elevation out of "EX-94-2E" dam with 1313 Fat, 30,344 M. & sold in 1976 Nat. Sale at $18,500. Hfr. due in March to Cavalier.
* "VG" 1st calf dtr of Arlinda Chief with 777F 3.9% 19,989M. at 2-8. Due before sale. Dam "VG-87" 22,076M. 839F. 2nd dam with 17,260M. 630F. A real one.
* VG-88" 2 yr. dtr. of "Jewel" with 612 F. 16,410 M. at 2-0. 2nd 2 yr. old at 1977 Conn. State show. Dam VG-87, 18,500 M. 707 F. Just fresh.
* There are many many more with top pedigrees. See Hol. World Nov. 10 for more details.

TOP SIRES REPRESENTED!!

17 sell by Elevation - 5 by Ivanhoe Star - 4 by Pawnee Farm Arlinda Chief - 4 by Jewel - 4 by Astronaut, Bootmaker - Jet Stream - Complete and others.

HERE ARE A FEW OF THE 10 BULLS SELLING!!

* Yrlg. son of Astronaut out of "EX-92-2E" dam with 29,704 M. 3.7 % 1113 Fat. Lifetime of 214,088 M. 7416 Fat.
* Yrlg. son of Arlinda Chief out of VG dam with 20,490M. 750F. 2nd dam EX - 900 Fat. Fat.
* Yrlg. son of Conductor out of EX dam with 19,645 M. 704 f.
* Fury Ivan yrlg son from "VG-88" dam, lifetime 223,170 M. 8014 F. top rec. of 822 F., 21,010 M. 2nd dam "VG-87" 1112 F., 25,163 M. 4.4%, 3rd dam 20,000 M.
* Yrlg. son of Jet Stresm out of VG-87 Fond Matt with 921 F. 19,280 M. 2nd dam 29,090 M. 4% 1148 Fat.
* 5 more ready for service bulls sell with real good pedigrees. Buy your Bulls here.

Make your plans now to attend and buy this fine group!
Sale starts 11:00 A.M. Lunch Available Catalogs

R. AUSTIN BACKUS INC.
Sale Mgrs & Auctioneers
Mexico, N.Y.

FEESER'S

PRODUCTION SALE

NEW HOLLAND
FEEDER PIG SALE BARN
NEW HOLLAND, PA.

CATALOG AVAILABLE — WRITE OR CALL FOR YOUR COPY

15 HAMP BOARS
40 X BRED GILTS
20 HAMP GILTS
7 YORK GILTS
7 YORK BOARS
20+ BRED GILTS

SCANOGRAM FIGURES AVAILABLE ON BOARS

Auctioneer is ABE DIFFENBACH Field man is WARREN BEILER

FRANK FEESER — TANEYTOWN, MARYLAND 21787
301/848-6280

productivity - soundness growing ability

SALE TELEPHONE:
717/354-4341

LUNCH AT NOON

Saturday, Dec. 16, 1978
1:00 P.M.

Public Sales Register

MON. DEC. 11 - 7.30 P.M. Miller's Second Annual FFA Club. Calf Sale Located at Fite's Sales Barn, ¼ mile West of Quarryville on Oak Bottom Road, off of Rt. 372 at Shady Lane Dairy Sales. Calves on display at barn starting Sat. Dec. 9.

MON. DEC. 11 - 7 P.M. Public Auction, An Unusual Offering of 100 Sewing Machines & Vacuums. Located at Brandywine Terrace, 3416 Philadelphia Pike, Claymont, Wilmington, Delaware. I-95 Exit 11 about 1 mile East on (92) Naamans Road to Philadelphia Pike, (U.S. Rt. 13) Then South on Philadelphia Pike about 1½ miles to Brandywine Terrace. Rudnick & Matas Auctioneers.

MON DEC 11 - 2 P.M. Danville Livestock Market Hog Sale, Old Route 11, Danville, PA

WED. DEC. 13 - 9:30 A.M. Consignment Sale of Tractors, Farm Machinery, Horse Drawn Implements, New Tools and Hardware by David H. Good, located ½ mile North of Route 23 on North Maple Ave., in Leola, Lancaster Co., Pa (CANCELLED)

Watch for sale signs F. Snyder, R. Martin, C. Wolgemuth, J. Fry and L. Horst, Auctioneers.

WED., THURS., FRI. DEC. 13, 14, 15 - 9:30 A.M Each Day. Public Auction Contests of Arkansas Village. Auction consists of Wheelwright & Carriage Mfg Equipment from Hoopes Bros. & Darlington, Arka Village & Standard Mfg Co., also numerous wagon & carriage parts. Auction located 90 minutes North of Memphis, Tennessee Airport & 5 minutes from the Jonesboro Airport. Sale conducted by Martin Auctioneers, Inc.

THURS. DEC 14 - 1:30 P.M Public Sale of 126 acre dairy farm. Located in RD 1 Bernville, Berks Co., PA 1 mile from Roadside America off Rt. 22 Owned by Paul and Madeline Burkholder. Kline Auction Service.

THURS. DEC. 14 - 10 A.M. Public Farm Sale Selling Valuable Modern Farm Machinery, Farm Produce, Holstein Dairy Cattle, & Dairy Equipment. Located at the Jonas Miller farm near Erdley's Church about midway between Kreamer & New Berlin, Pa., Snyder Co. Owners Mr. & Mrs. Jonas N Miller. Earl Eash Auctioneer.

SAT. DEC. 16 - 10:30 A.M. Public Sale of 34 Acre Farm, Farm Equipment, Etc. Located on the premises in Little Kutztown, Jackson Twp., near Fire House, Lebanon Co. Rt. 645 north of Myerstown Conditions by Mary Jane Gettle & Melvin Gettle, Sr Auctioneer G. Harvey Weik

SAT. DEC 16 - 1 P.M. Mini Acres 1st Purebred Yorkshire Production Sale. Located at Lebanon Fair Grounds Cornwall & Evergreen Rds., 1½ miles South of Lebanon, Pa. 60 Head Bred Gilts, Open Gilts, Service Boars Auctioneer Ralph W. Zettlemoyer. Mail for catalog to Edward H Oswald, R.D. 2 Box 396, Slatington, Pa. 18080.

SAT. DEC. 16 - 10 A.M. Public Sale of Real Estate, Antiques, Household Goods, Guns & Coins. Located along Hill Top Dr, R.D. 1 Conestoga, Conestoga Twp., Lanc Co., Pa. (at Leo Smith's Store take River Corner Rd. to Hill Top Dr ; turn left to sale). Sale by Ruth N Rineer Estate (Mrs Clarence S. Rineer). Howard Shaub & Roy C. Probst Auctioneers

SAT. DEC 16 - 1 P.M. Feeser's Production Sale Located at New Holland Feeder Pig Sale Barn, New Holland, Pa. Auctioneer Abe Diffenbach.

SAT DEC. 16 - 9:30 A.M Public Sale Farm Machinery, Antiques, Household Items & 10' Aluminum Boat with Oars. Located on Rt 209 between Elizabethville & Loyalton, Pa. (across from the R & K Diner). Owner Harmon V Tunison. Auctioneer Lee D Dockey.

SAT DEC. 16 - 2 P.M. Public Sale of Real Estate. Located along South Main St., Reamstown Across from the Reamstown Elementary School. Owner Chester K. Long. Auctioneer Dave Thomas.

SAT. DEC. 16 - 10 A.M. Public Auction of Valuable Antiques & Personal Property Located 1 mile West of Wagontown, Pa. on Rt. 340. Sale by Fred S. Oberholser Auctioneers Ira Stoltzfus & Son & Jay Leary.

SAT. DEC 16 - 10 A.M. Autotore's Auction Located R.D. 2 Catawissa off Rt 42 South of Bloomsburg. Turn at Three Points, follow auction arrows Seller-First Eastern Bank, Guardian for Paul (Butch) Smoczynski. Auctioneer John Autotore

MON. DEC 18 - 2 P.M. Danville Livestock Market Hog Sale, Old Route 11, Danville, PA

SAT. DEC 20 - 7 P.M Danville Livestock Market Horse and Tack Sale, Old Route 11, Danville, PA

JANUARY

WED JAN 3 - 9:30 A.M Consignment Sale of Tractors, Farm Machinery, Horse Drawn Implements, New Tools and Hardware by David H. Good, located ½ mile North of Route 23 on North Maple Ave., in Leola, Lancaster Co., Pa. Watch for sale signs. F Snyder, R Martin, C Wolgemuth, J. Fry, and L Horst, Auctioneers

WED JAN 17 - 9.30 A.M. Consignmnent Sale of Tractors, Farm Machinery, Horse Drawn Implements, New Tools and Hardware by David H. Good, located ½ mile North of Route 23 on North Maple Ave, in Leola, Lancaster Co, Pa Watch for sale signs. F. Snyder, R Martin, C Wolgemuth, J Fry, and L Horst, Auctioneers.

FEBRUARY

THURS FEB 22 - 9.30 A.M Public Sale, Full Line of Farm Machinery, 4 Pair Sorrel Mules, 18 Holstein Heifers, Home Raised Located 2 miles Northwest of Whitehorse, Lanc Co., Pa Terms by Christ & Sarah Beiler. Auctioneer Steve Petersheim, 215-869-2508

MARCH

SAT. MAR. 3 - 9 A.M. 15th Annual All Day Sale at Bart Township Fire Company, Bart, Pa. Located 6 miles Southeast of Strasburg along Rt. 896 in Georgetown, Pa., Lanc Co.

TUES. MARCH 14 - Farm Machinery Sale. Located on the farm 1 mile West of Ephrata on Rt. 322, turn right onto Weidmansville Rd, 1 mile to Sunnyside Rd, turn right to farm on right Sale by Nelson E & Mary Martin. Kline Auction Service

APRIL

SAT. APR 28 - 13th Colonial Charolais Spring Sale. Located Farmers Livestock Exchange, Boonsboro, MD Managed by Buzz Garey, 100 Walnut Ln, Morrisville, Pa.

CONSIGNMENT SALE

MONDAY, DECEMBER 18, 1978

9:30 A.M.

S. RACE ST., MYERSTOWN, PA. 17067

FARM — CONSTRUCTION TRUCKS

80 TRACTORS
200 IMPLEMENTS
20 TRUCKS & TRAILERS

EARLY LISTING:

TRACTORS

(2) J.D. 5020, (2) 4020, 3020, (2) 730, 4620, 820, G, MT
INT. 1466, 1066, 1066 hydro, 966, 1456, (2) 856, (2) 806, (4) 706, 560, 574, (2) 656, (2) Super A, Cub, 140, 450, 444, 454, 826
A.C. 7000, 180, 220, C
FORD 9600, 4000, 4500
OLIVER 1550, 1755, 1850
M.M. G1000 VISTA, G900
M.F. (3) 1130, 1100, 175, 1085
CASE (2) 1030, (2) 930 CK, 930 Standard
LONG 460, 560, 560 DT

INDUSTRIAL

SKIDDERS - (3) J.D. 440B, J.D. 440A, (2) J.D. 540, INT. S7C
BACKHOES - INT. 3514 - 3616 - 3800 - LONG 5-IN-1 - FORD 4500
FORKLIFTS - M.F. - CLARK - YALE
LOADERS - CAT 977K, 941, 951C, 931, (2) 933, J.D. 350, 450, CASE 310, 350, 450, 1150
DOZERS - J.D. 350 - INT. TD6
RUBBER TIRED LOADERS - CAT 944 - FORD 340 - CASE 1740 - INT. 656

CONSIGNMENTS WELCOME

SALE HELD BY:

WENGERS FARM MACHINERY, INC.

S. RACE ST., MYERSTOWN, PA. 17067

DAY - 717-866-2135 NIGHT - 717-866-7147 or 273-9089

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Auctioneer's Directory

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Box 81, RD1, Warriors Mark, Pa.
Phone 814-692-8980

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Graded Sale
1st Tuesday each month
2 P.M.
Horse Auction
2nd Saturday each month
1 P.M.
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Marshall, Va.
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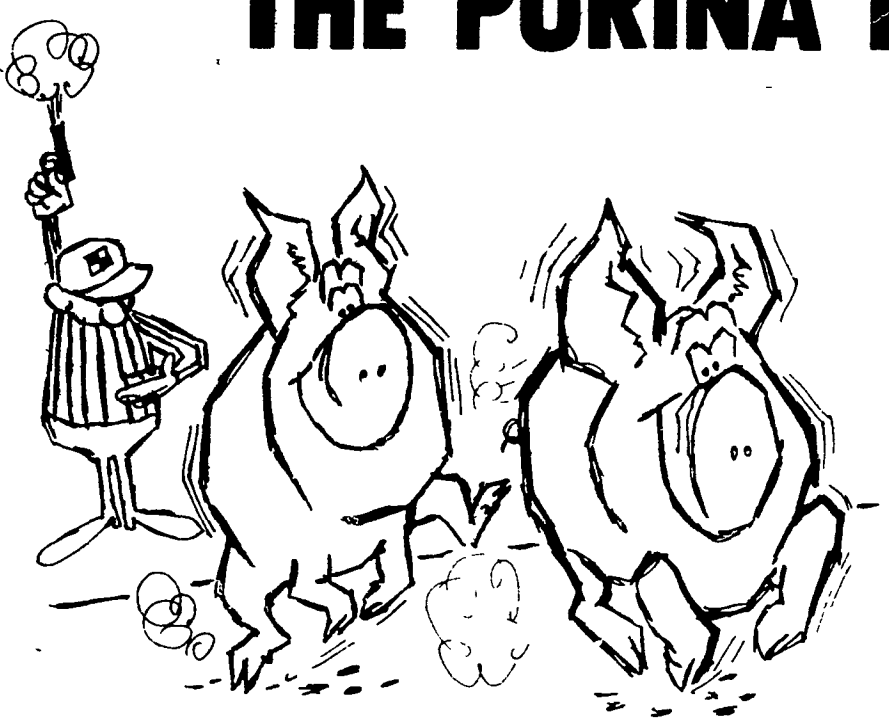

Can Make You Money!!

Mail To: **PURINA** Box 366S,
c/o Lancaster Farming
Lititz, PA 17543

NAME _____

ADDRESS _____

TOWN _____ STATE _____

ZIP CODE _____ PHONE _____

I Want To Know More About PURINA Hog Programs.

FATTENING:

- ☐ Feeder Pig Buying Service.
- ☐ Feeder Pig Receiving Program.
- ☐ Hog Fattening Program.
- ☐ Nebraska Hog Fattening Unit.
- ☐ Fat Hog Marketing Service.

FEEDER PIG PRODUCTION:

- ☐ Total Confinement-Feeder Pig Production Units.
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FATTENING PROGRAMS:

- Feeder Pig Buying Service.
- Feeder Pig Receiving Program.
- Hog Fattening Program.
- Nebraska Hog Fattening Unit.
- Fat Hog Marketing Service.

FEEDER PIG PRODUCTION PROGRAMS:

- Total Confinement-Feeder Pig Production Units
  - 3000 Pigs Per Year
  - 5000 Pigs Per Year
  - 9600 Pigs Per Year
- Double Deck Cage Pig Nursery Systems.
- 3-Week Weaning Program.
- Sow Management Programs.
- Kleen Leen Breeding Stock.
- Gilt Growing Program.

PURINA RESEARCH PROVEN HOG PROGRAMS

CAN BE YOUR KEY TO SUCCESS.

HESS MILLS
PHONE 717-442-4183
717 768-3301
PARADISE, PA 17562

HIGH BROS.
PHONE 717 354-0301
GORDONVILLE PA 17529

UMBERGER'S INC.
PHONE 717 866-2324
RICHLAND PA 17087

JOHN B. KURTZ
PHONE 717 354-4616 717 738 1088
RD3 EPHRATA, PA 17522

IRA B. LANDIS
PHONE 717-665-3248
BOX 276 RD3
MANHEIM PA 17545

UMBERGER'S MILL
PHONE 717 867 5161
FONTANA PA 17042

THE PURINA PROGRAM

Good Breeding	Sound Management
Careful Sanitation	Good Feeding

FOR GOOD PRODUCTION

McCRACKEN'S FEED MILL, INC.
PHONE 717-665-2186
2 NEW CHARLOTTE ST , MANHEIM, PA 17545

DAYETT MILLS, INC.
PHONE 302-731-1500
904 OLD BALTIMORE PIKE
NEWARK, DEL. 19702

WEST WILLOW FARMERS ASSN., INC.
PHONE 717-464-3386
WEST WILLOW, PA 17583

M. G. HENNINGER & SON, INC.
PHONE 717 362 3333
BERRYSBURG PA 17005

MANIFOLD - BAIR
PHONE 717-382-4805
FAWN GROVE, PA 17321
PHONE 717-637-1123
HANOVER, PA 17331

PICKERING VALLEY FEED AND FARM STORE
PHONE 215-363-8810
RT 11 & GORDON DRIVE
LIONVILLE, PA 19353